

# KYOTO<sup>®</sup> JAPAN LUBRICANTS

*Symbol of Quality & Performance*

## Product Catalogue



**Professional  
European  
Lubricants  
& Additives**



**[www.kyotojap.com](http://www.kyotojap.com)**



## Kyoto Japan Tire Group

Kyoto Japan is a Japanese-Swiss group of companies specialized in design, manufacture and marketing of the exclusive and registered brand of Kyoto Japan Tires, Tubes, Batteries & Lubricants throughout the world.

The company has developed its organization and sales teams for the international markets and has been regularly participating at major international tire exhibitions to promote its brand and its products.

### Kyoto Japan cover following families of products:

- **Tires:** Radial & Bias Tires for Trucks, Buses, Light-Trucks, Passenger Cars, 4x4, Sports & Utility Vehicles, Motorcycles, Construction Equipment, Agriculture, Mining & Industrial applications
- **Tubes:** Butyl-Rubber Inner tubes
- **Batteries:** Sealed Maintenance-Free Batteries Made in Italy
- **Lubricants:** Synthetic, Semi-Synthetic & Mineral Lubricants Made in Holland
- **Additives:** Professional Additives Made in France

### Kyoto Japan Tire Holdings Ltd.

Comprises the following fully owned companies:

- **Kyoto Japan Tire Corporation Ltd. - Tokyo**  
The company was registered in 1991 in Tokyo and acts as the registered Head Office of the group in Japan. The company provides engineering & manufacturing know-how and looks after the registration of the brand 'Kyoto Japan' tires in key markets; issues Manufacturing Licenses for production in China as well as issuing Distributorship Agreements for potential clients and markets.
- **Kyoto Japan Tire (Suisse) S.A - Geneva**  
A 100% Swiss company set up in Geneva in 2008 to act as the principal Sales company of the group.
- **Kyoto Japan Tire (Europe) S.A.S - Annemasse & St. Gilles**  
A subsidiary of the Swiss company set up in Annemasse - France in 2013 with warehouses and logistics centers in France (St. Gilles), Holland, Italy and the U.K.
- **Kyoto Japan Tire Pneus do Brasil Ltda. - Sao Paulo**  
The company has been set up in Sao Paulo based on 100% ownership for local distribution of Kyoto Japan tires in Brazil.

- **Kyoto Japan Tire (West Africa) S.A - Abidjan**  
The company was set up in Abidjan based on 50% partnership with a prominent local business group for imports & local distribution in West Africa.
- **Kyoto Japan Tire Corp. (Switzerland) S.A - Beijing**  
The Beijing office was set-up in 2000 for control of Procurement, Production, Logistics and Exports out of China.
- **TMS International Group Ltd. - Hong Kong**  
Fully owned subsidiary company of the group based in Hong Kong for Trading of various brands of tire to world markets.

## European Distribution Organization



## Introduction

**Kyoto Japan produces a wide range of Synthetic, Semi-Synthetic & Mineral Lubricants in Holland based on highest European and International standards and specifications covering the following families of products:**

- Passenger Car Motor Oils
- Motorcycle & Small Engine Oils
- Gear Oils & Transmission Fluids
- Heavy Duty Engine Oils
- Agricultural Oils
- Industrial Oils
- Hydraulic Oils
- Professional Additives
- Greases

Lubricants are available in attractive 1L, 5L, 20L plastic cans; 60 L and 200L printed steel drums and 1000L IBC tanks. Product data-sheets provide full technical information for optimum professional applications.

A family of professional additives is manufactured in France.

Additives, and Lubricants in 1L & 5L cans, are presented in an attractive mobile stand for display in petrol stations, retail outlets and auto showrooms.

Kyoto Japan has a network of regional distributors and clients in Europe and throughout the world.

Drop-Shipping with over-night deliveries are available

for wholesalers

and dealers within Europe. Retail clients can benefit from

on-line shopping for most economical pricing within Europe.





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KYOTO JAPAN WARM-UP 10W60

SYNTHETIC PASSENGER CAR MOTOR OIL

Product Code: KJL1101

Kyoto Japan Warm-UP 10W60 is a high performance fully synthetic motor oil of exceptional quality, delivering extreme performance in gasoline-, diesel- and LPG fuelled engines in passenger cars with or without turbocharger, working under severe temperature and load conditions.

Kyoto Japan Warm-UP 10W60 is based on high quality 100% synthetic Poly Alpha Olefin (PAO) in combination with a unique additive package to ensure the following properties:

Exceeds the following performance criteria:  
API SL/CF, ACEA A3/B4, MB 229.1, VW 502.00/505.00 | Homologated Product conforming to standards

- Very good dispersant and detergent properties.
- Excellent cold temperature properties for a smooth cold start.
- Excellent protection against wear, corrosion and foam.
- Suited for extreme and severe conditions.
- Excellent thermal- and oxidation stability.



KYOTO JAPAN PERFECTA SL 0W40

SYNTHETIC PASSENGER CAR MOTOR OIL

Product Code: KJL1102

Kyoto Japan Perfecta SL 0W-40 is a high performance fuel saving fully synthetic engine oil to be used in gasoline- and diesel engines of the latest generation passenger car and light vans with or without turbo compressor.

Kyoto Japan Perfecta SL 0W-40 is based on high performance fully synthetic base oil in combination with a specially selected additive technology to ensure the following properties.

Exceeds the following performance criteria; ACEA A3/B4, API SN/CF, MB 229.3, VW 500.00/502.00, Porsche, BMW LL-01  
Homologated Product conforming to standards

- Excellent thermal and oxidation stability.
- Fuel saving properties.
- Excellent protection against wear, foam en corrosion.
- High viscosity index in a wide range of ambient conditions.
- Low temperature properties, to ensure a smooth cold start.



KYOTO JAPAN PERFECTA GM 5W-30

SYNTHETIC PASSENGER CAR MOTOR OIL

Product Code: KJL1103

Kyoto Japan Perfecta GM 5W-30 is a fuel conserving high performance MID SAPS engine oil based on 100% synthetic technology for gasoline- and diesel engines of passenger cars and light vans specially designed for the latest generation Opel/GM vehicles which require GM Dexos 2 and is backwards compatible to engines which require GM-LL-A-025/B-025 type engine oils.

Kyoto Japan Perfecta GM 5W-30 is formulated with synthetic base oil in combination with a special selected additive package to ensure

Exceeds the following performance criteria; GM dexos 2, API SN/CF, ACEA A3/B4, C3, MB 229.51, BMW LL-04, VW 502.00/505.00, GM-LL-A025/B025 | Homologated Product conforming to standards

- the following properties:
- Excellent thermal and oxidation stability.
  - Excellent cold temperature properties for an easy cold start.
  - Very good dispersant and detergent properties.
  - Fuel saving properties due to low friction properties
  - Very good antifoam, antiwear and anti-corrosion properties.
  - MID SAPS technology, suitable for engines equipped with exhaust gas after treatment like DPF
  - Long oil change interval possible.



KYOTO JAPAN PERFECTA DPF 5W-30

SYNTHETIC PASSENGER CAR MOTOR OIL

Product Code: KJL1104

Kyoto Japan Perfecta DPF 5W-30 is a high performance fuel saving LOW SAPS long life oil based on 100% synthetic technology for use in gasoline- and diesel engines of passenger cars and light vans where a VAG norm 504.00/507.00 has been prescribed and also suitable for vehicles where MB 229.51 and BMW LL-04 are required.

**Remark:** not suitable for R5- en V10 TDI engines and engines where VAG norm VW 506.01 is being advised.

Kyoto Japan Perfecta DPF 5W-30 is formulated with high quality synthetic base stocks in combination with an unique additive

Exceeds the following performance criteria; VW 504.00/507.00, MB-229.51, BMW LL-04, ACEA A3/B4, C3, Porsche C30  
Homologated Product conforming to standards

- technology to achieve the following performance:
- Very good low temperature properties.
  - Protection to wear by cold start.
  - Very high thermal- and oxidation stability.
  - Excellent resistance against foaming, corrosion and wear.
  - High dispersancy and detergency level.
  - High viscosity index.
  - Extended oil drain interval.
  - Also suitable for engines equipped with other catalyst like TWC.





Passenger Car Motor Oils

KYOTO JAPAN PERFECTA SRC 5W-40

SYNTHETIC PASSENGER CAR MOTOR OIL

Product Code: **KJL1105**



**Kyoto Japan Perfecta SRC 5W-40** is an universal high performance fuel saving oil based on 100% synthetic technology for use in gasoline- and diesel engines of passenger car and light vans with or without turbocharger. This product is unsuitable for diesel engines equipped with a Diesel Particle Filter (DPF).

**Kyoto Japan Perfecta SRC 5W-40** is formulated with high quality synthetic base stocks in combination with an uniqueadditive technology to achieve the following performance:

Exceeds the following performance criteria: MB-229.3, VW 502.00/505.00, BMW LL-01, API SN/CF, ACEA A3/B4, GM-LL-B025, PSA B71 2296, Porsche A40, Renault 0700/0710 I Homologated Product conforming to standards

- Very good low temperature properties.
- Protection to wear by cold start.
- Very high thermal- and oxidation stability.
- Excellent resistance against foaming, corrosion and wear.
- High dispersancy and detergency level.
- High viscosity index.

KYOTO JAPAN PERFECTA S 10W-40

SEMI-SYNTHETIC PASSENGER CAR MOTOR OIL

Product Code: **KJL1106**



**Kyoto Japan Perfecta S 10W-40** is an universal high performance fuel saving semi synthetic oil for use in gasoline- and diesel engines of passenger car and light vans with or without turbocharger. This product is unsuitable for diesel engines equipped with a Diesel Particle Filter (DPF).

**Kyoto Japan Perfecta S 10W-40** is formulated with high quality refined mineral and synthetic base stocks in combination with a special additive technology to achieve the following performance:

Exceeds the following performance criteria: MB-229.1, VW 501.01/505.00, ACEA A3/B4, API SL/CF, RN 0700 Homologated Product conforming to standards

- Very good low temperature properties.
- Protection to wear by cold start.
- Very high thermal- and oxidation stability.
- Excellent resistance against foaming, corrosion and wear.
- High dispersancy and detergency level.
- High viscosity index.

KYOTO JAPAN PERFECTA FE 5W-30

SEMI-SYNTHETIC PASSENGER CAR MOTOR OIL

Product Code: **KJL1107**



**Kyoto Japan Perfecta FE 5W-30** is a high performance fuel conserving semi synthetic oil for gasoline- and diesel engines in passenger cars en light vans with or without turbocharger. This product is unsuitable for diesel engines equipped with a Diesel Particle Filter (DPF).

**Kyoto Japan Perfecta FE 5W-30** is formulated with high quality refined mineral and synthetic base stocks in combination with a special additive technology to achieve the following performance:

Exceeds the following performance criteria; ACEA A1/B1, API SL, ILSAC GF-3, Ford M2C-913A/913B Homologated Product conforming to standards

- Very good low temperature properties.
- Protection to wear by cold start.
- Very high thermal- and oxidation stability.
- Excellent resistance against foaming, corrosion and wear.
- High dispersancy and detergency level.
- High viscosity index.
- Longer oil drain interval possible.

KYOTO JAPAN PERFECTA LE 5W-40

SYNTHETIC PASSENGER CAR MOTOR OIL

Product Code: **KJL1108**



**Kyoto Japan Perfecta LE 5W-40** is a high performance fuel saving MID SAPS engine oil based on 100% synthetic technology for use in the latest generation gasoline and diesel engines of passenger car and light vans with or without turbocharger. Motor Oil LE 5W-30 is developed for use in engine which are equipped with or without an exhaust gas after treatment system.

**Kyoto Japan Perfecta LE 5W-40** is based on high performance 100% synthetic base oil in combination with a specially selected

Exceeds the following performance criteria; MB-229.51, VW 502.00/505.00 & VW 505.01, BMW LL-04, ACEA A3/B4, C3, API SN/CF, Renault RN 0700/0710 I Homologated Product conforming to standards

additive technology to ensure the following properties:

- Good thermal and oxidation stability.
- MID SAPS technology.
- Good protection against wear, foam en corrosion.
- Low temperature properties, to ensure a smooth cold start.
- Equipped for diesel engines with an exhaust after treatment system.
- Fuel saving properties.

KYOTO JAPAN PERFECTA LE 5W-30

SYNTHETIC PASSENGER CAR MOTOR OIL

Product Code: **KJL1109**



**Kyoto Japan Perfecta LE 5W-30** is a high performance fuel saving MID SAPS engine oil based on 100% synthetic technology for use in the latest generation gasoline and diesel engines of passenger car and light vans with or without turbocharger. Motor Oil LE 5W-40 is developed for use in engine which are equipped with or without an exhaust gas after treatment system.

**Kyoto Japan Perfecta LE 5W-30** is based on high performance 100% synthetic base oil in combination with a specially selected

Exceeds the following performance criteria: MB-229.51, VW 502.00/505.00 & VW 505.01, BMW LL-04, ACEA A3/B4, C3, API SN/CF, Renault RN 0700/0710 I Homologated Product conforming to standards

additive technology to ensure the following properties:

- Good thermal and oxidation stability.
- MID SAPS technology.
- Good protection against wear, foam en corrosion.
- Low temperature properties, to ensure a smooth cold start.
- Equipped for diesel engines with an exhaust after treatment system.
- Fuel saving properties.

KYOTO JAPAN PERFECTA XL 15W-40

PASSENGER CAR MOTOR OIL

Product Code: **KJL1110**



**Kyoto Japan Perfecta XL 15W-40** is a multi functional mineral engine oil for older gasoline-, diesel- and LGP engines of passenger car and light vans with or without turbo compressor.

**Kyoto Japan Perfecta XL 15W-40** is formulated on high performance virgin base stocks in combination with selected additive package to reach the following properties:

Exceeds the following performance criteria; API SF/CD I Homologated Product conforming to standards

- Stable viscosity index.
- Good protection against rust, corrosion and wear.
- Good dispergency and detergency properties.
- Good antifoam properties.

KYOTO JAPAN PERFECTA S 15W-40

PASSENGER CAR MOTOR OIL

Product Code: **KJL1111**



**Kyoto Japan Perfecta S 15W-40** is a multi functional mineral engine oil for older gasoline-, diesel- and LGP engines of passenger car and light vans with or without turbo compressor.

**Kyoto Japan Perfecta S 15W-40** is formulated on high performance virgin base stocks in combination with selected additive package to reach the following properties:

Exceeds the following performance criteria; API SF/CD I Homologated Product conforming to standards

- Stable viscosity index.
- Good protection against rust, corrosion and wear.
- Good dispergency and detergency properties.
- Good antifoam properties.

KYOTO JAPAN PERFECTA FS 5W-30

SYNTHETIC PASSENGER CAR MOTOR OIL

Product Code: **KJL1112**



**Kyoto Japan Perfecta FS 5W-30** is a high performance fuel saving oil based on 100% synthetic technology for use in gasoline- and diesel engines of passenger car and light vans with or without turbocharger and designed for the last generation Ford vehicles and other vehicles where an ACEA A5/B5 is been required. This product is not to be used in diesel engines equipped with a Diesel Particle Filter (DPF).

**Kyoto Japan Perfecta FS 5W-30** is formulated with high quality

Exceeds the following performance criteria; ACEA A5/B5, ACEA A1/B1, API SN, Renault 0700, Ford W5S M2C913C Homologated Product conforming to standards

synthetic base stocks in combination with an unique additive technology to achieve the following performance:

- Very good low temperature properties.
- Protection to wear by cold start.
- Very high thermal- and oxidation stability.
- Excellent resistance against foaming, corrosion and wear.
- High dispersancy and detergency level.
- High viscosity index.
- Longer oil drain interval.



Passenger Car Motor Oils

KYOTO JAPAN PERFECTA C2 5W-30

SYNTHETIC PASSENGER CAR MOTOR OIL

Product Code: **KJL1113**

**Kyoto Japan Perfecta C2 5W-30** is a high performance fuel saving MID SAPS engine oil based on 100% synthetic technology to be used in gasoline- and diesel engines of the latest generation passenger cars and light vans where a PSA B71 229D specification is required and suitable for all engines which require an ACEA A5/ B5, C2 performance specification

**Kyoto Japan Perfecta C2 5W-30** is based on high performance synthetic base oil in combination with a specially selected additive

Exceeds the following performance criteria: API SN/CF, ACEA A1/B1, ACEA A5/B5, ACEA C2, PSA B71 229D, Renault 0700

Homologated Product conforming to standards

technology to ensure the following properties:

- Excellent thermal and oxidation stability.
  - Fuel saving properties.
  - Excellent protection against wear, foam en corrosion.
  - Low temperature properties, to ensure a smooth cold start.
  - Long oil drain interval possible.

KYOTO JAPAN PERFECTA XL 20W-50

PASSENGER CAR MOTOR OIL

Product Code: **KJL1114**

**Kyoto Japan Perfecta XL 20W-50** is a multi functional mineral engine oil for older gasoline-, diesel- and LPG engines of passenger car and light vans with or without turbo compressor.

**Kyoto Japan Perfecta XL 20W-50** is formulated on high performance virgin base stocks in combination with selected additive package to reach the following properties:

- Stable viscosity index.
  - Good protection against rust, corrosion and wear.
  - Good dispergency and detergency properties.
  - Good antifoam properties.
  - Very good low temperature properties.
  - Protection to wear by cold start.
  - Very high thermal- and oxidation stability.
  - Excellent resistance against foaming, corrosion and wear.
  - High dispersancy and detergency level.
  - High viscosity index.

Exceeds the following performance criteria: API SF/CD | Homologated Product conforming to standards

KYOTO JAPAN WARM-UP 5W50

SYNTHETIC PASSENGER CAR MOTOR OIL

Product Code: **KJL1115**

**Kyoto Japan Warm-UP 5W50** is a high performance motor oil based on 100% synthetic technology with exceptional quality, delivering extreme performance in gasoline-, diesel- and LPG fuelled engines in passenger cars with or without turbocharger, working under severe temperature and load conditions.

**Kyoto Japan Warm-UP 5W50** is based on high quality synthetic base oil in combination with an unique additive package to ensure the following properties:

Exceeds the following performance criteria; API SM/CF, ACEA A3/B4, MB 229.1, VW 502.00/505.00

Homologated Product conforming to standards

- Excellent thermal- and oxidation stability.
  - Very good dispersant and detergent properties.
  - Excellent cold temperature properties for a smooth cold start.
  - Excellent protection against wear, corrosion and foam.
  - Suited for extreme and severe conditions.

KYOTO JAPAN PERFECTA XL 5W-30

SEMI-SYNTHETIC PASSENGER CAR MOTOR OIL

Product Code: **KJL1116**

**Kyoto Japan Perfecta XL 5W-30** is a high performance fuel saving semi synthetic oil for use in gasoline- and diesel engines of passenger car and light vans with or without turbo compressor. This product is not to be used in diesel engines equipped with a Diesel Particle Filter (DPF).

**Kyoto Japan Perfecta XL 5W-30** is formulated with high quality mineral and synthetic base stocks in combination with an unique additive technology to achieve the following performance:

- Very good low temperature properties.
  - Protection to wear by cold start.
  - Very high thermal- and oxidation stability.
  - Excellent resistance against foaming, corrosion and wear.
  - High dispersancy and detergency level.
  - High viscosity index.

Exceeds the following performance criteria; ACEA A5/B5, API SL/CF, RN 0700 | Homologated Product conforming to standards

KYOTO JAPAN PERFECTA S 20W-50

PASSENGER CAR MOTOR OIL

Product Code: **KJL1117**

**Kyoto Japan Perfecta S 20W-50** is a high performance mineral engine oil suitable for gasoline-, LPG-, and diesel engines in modern passenger cars and light vans with or without turbochargers.

**Kyoto Japan Perfecta S 20W-50** is based on high performance virgin mineral base oil in combination with a specially selected additive technology to ensure the following properties:

Exceeds the following performance criteria: ACEA A3/B3, API SL/CF, VW 505.00, MB 229.1

Homologated Product conforming to standards

- Good thermal and oxidation stability.
  - Stay-in-grade.
  - Good protection against wear, foam en corrosion.
  - Low temperature properties, to ensure a smooth cold start.

KYOTO JAPAN PERFECTA S 5W-40

SYNTHETIC PASSENGER CAR MOTOR OIL

Product Code: **KJL1119**

**Kyoto Japan Perfecta S 5W-40** is an universal high performance fuel saving oil based on 100% synthetic technology for use in gasoline- and diesel engines of passenger car and light vans with or without turbocharger. This product is unsuitable for diesel engines equipped with a Diesel Particle Filter (DPF).

**Kyoto Japan Perfecta S 5W-40** is formulated with high quality synthetic base stocks in combination with an unique additive

Exceeds the following performance criteria; MB 229.1, BMW-LL 98, API SL/CF, VW 501.01/505.00, ACEA A3/B4

Homologated Product conforming to standards

technology to achieve the following performance:

- Very good low temperature properties.
  - Protection to wear by cold start.
  - Very high thermal- and oxidation stability.
  - Excellent resistance against foaming, corrosion and wear.
  - High dispersancy and detergency level.
  - High viscosity index.

KYOTO JAPAN PERFECTA SN 5W-20

SYNTHETIC PASSENGER CAR MOTOR OIL

Product Code: **KJL1120**

**Kyoto Japan Perfecta SN 5W-20** is high performance fuel conserving engine oil based on 100% synthetic technology for all gasoline engines in passenger cars and light vans specially designed for the lubricating the latest generation vehicles like hybrid and ECO models which require a SAE 5W-20 and running on gasoline and/or ethanol-containing fuels up to E85.

**Kyoto Japan Perfecta SN 5W-20** is based on synthetic base oil in

combination with a special additive package to obtain the following properties:

- Excellent thermal and oxidation stability.
  - Excellent cold temperature properties for a smooth cold start.
  - Very good dispersant and detergent properties.
  - Fuel saving properties due to low friction properties
  - Very good antifoam, antiwear and anti-corrosion properties.
  - Long oil change interval possible.

Exceeds the following performance criteria; API SN/SN-RC,ILSAC GF-5, GM Dexos 1, GM 4718M

Homologated Product conforming to standards

KYOTO JAPAN PERFECTA SN 0W-20

SYNTHETIC PASSENGER CAR MOTOR OIL

Product Code: **KJL1121**

**Kyoto Japan Perfecta SN 0W-20** is high performance fuel conserving engine oil based on 100% synthetic technology for all gasoline engines in passenger cars and light vans specially designed for the lubricating the latest generation vehicles like hybrid and ECO models which require a SAE 0W-20 and running on gasoline and/or ethanol-containing fuels up to E85.

**Kyoto Japan Perfecta SN 0W-20** is based on synthetic base oil in

combination with a special additive package to obtain the following properties:

- Excellent thermal and oxidation stability.
  - Excellent cold temperature properties for a smooth cold start.
  - Very good dispersant and detergent properties.
  - Fuel saving properties due to low friction properties
  - Very good antifoam, antiwear and anti-corrosion properties.
  - Long oil change interval possible.

Exceeds the following performance criteria; API SN/SN-RC, ILSAC GF-5, GM Dexos 1, GM 4718M

Homologated Product conforming to standards



Passenger Car Motor Oils



KYOTO JAPAN PERFECTA C4 5W-30  
SYNTHETIC PASSENGER CAR MOTOR OIL

Product Code: **KJL1122**

Kyoto Japan Perfecta C4 5W-30 is a high performance fuel saving LOW SAPS oil based on 100% synthetic technology for use in gasoline- and diesel engines of passenger cars and light vans specially designed for the latest generation Renault and Nissan diesel engines equipped with a Diesel Particle Filter (DPF) and all other engines where an ACEA C4 product is required.

Kyoto Japan Perfecta C4 5W-30 is formulated with high quality synthetic base stocks in combination with a unique additive technology to achieve the following performance:

Exceeds the following performance criteria: ACEA C4, RN 0720, MB 229.51 | Homologated Product conforming to standards

- Very good low temperature properties.
- Protection to wear by cold start.
- Very high thermal- and oxidation stability.
- Excellent resistance against foaming, corrosion and wear.
- High dispersancy and detergency level.
- High viscosity index.
- Extend oil drain interval.
- Also suitable for engines equipped with other catalyst like TWC.
- Excellent thermal- and oxidation stability.
- Very good dispersant and detergent properties.
- Excellent cold temperature properties for a smooth cold start.
- Excellent protection against wear, corrosion and foam.
- Suited for extreme and severe conditions.



KYOTO JAPAN PERFECTA LLIII 5W-30  
SYNTHETIC PASSENGER CAR MOTOR OIL

Product Code: **KJL1123**

Kyoto Japan Perfecta LLIII 5W-30 is a high performance fuel saving LOW SAPS long life oil based on 100% synthetic technology for use in gasoline- and diesel engines of passenger cars and light vans where a VAG norm 504.00/507.00 has been prescribed and also suitable for vehicles where MB 229.51 and BMW LL-04 are required. Remark: not suitable for R5- en V10 TDI engines and engines where VAG norm VW 506.01 is being advised.

Kyoto Japan Perfecta LLIII 5W-30 is formulated with high quality

Exceeds the following performance criteria: ACEA A3/B4, C3, VW 504.00/507.00, MB 229.51, BMW LL-04

Homologated Product conforming to standards

- synthetic base stocks in combination with an unique additive technology to achieve the following performance:
- Very good low temperature properties.
  - Protection to wear by cold start.
  - Very high thermal- and oxidation stability.
  - Excellent resistance against foaming, corrosion and wear.
  - High dispersancy and detergency level.
  - High viscosity index.
  - Extended oil drain interval.
  - Also suitable for engines equipped with other catalyst like TWC.



Kyoto Japan Lubricants  
Product Data Sheet Specimen





### Motorcycle & Small Engine Oils



#### KYOTO JAPAN MOTO RACING 4T 5W-40 SYNTHETIC MOTORCYCLE OIL

Product Code: **KJL1201**

**Kyoto Japan Moto Racing 4T 5W-40** is a high performance 4-stroke gasoline engine oil developed specifically to meet the special requirements of latest high performance air cooled 4-stroke motorcycles. It provides excellent protection to engine, gearbox and wet clutch used in 4-stroke motorcycles and ensures highest degree of reliability even under severe operating conditions and temperatures.

**Kyoto Japan Moto Racing 4T 5W-40** is based on a high quality synthetic base oils in combination with a special selected additive package to obtain the following properties:

- Outstanding thermo-oxidative stability. • Exceptional antiwear, antirust and anticorrosion properties. • Controlled frictional properties eliminate clutch slippage. • Increased power/ fuel economy and improves drivability. • Excellent dispersancy and detergency properties. • Excellent shear stability maintains viscosity under high temperature-high shear environment and provides improved wear protection. • Outstanding low temperature properties enable easy starting at low ambient temperatures and ensure effective lubrication and wear protection at start up. • Low volatility characteristics reduce oil consumption and hydrocarbon pollution.

Exceeds the following performance criteria; JASO MA2, API SL | Homologated Product conforming to standards



#### KYOTO JAPAN MOTO RACING 4T 10W-40 SYNTHETIC MOTORCYCLE OIL

Product Code: **KJL1202**

**Kyoto Japan Moto Racing 4T 10W-40** is a high performance semi-synthetic, 4-stroke gasoline engine oil developed specifically to meet the special requirements of latest high performance air cooled 4-stroke motorcycles. It provides excellent protection to engine, gearbox and wet clutch used in 4-stroke motorcycles and ensures highest degree of reliability even under severe operating conditions and temperatures.

**Kyoto Japan Moto Racing 4T 10W-40** is based on a high quality synthetic base oils in combination with a special selected additive

package to obtain the following properties:

- Excellent antiwear, antirust and anticorrosion properties. • Good thermo-and oxidative. • Controlled frictional properties eliminate clutch slippage and improves drivability • Excellent dispersant and detergent properties

Exceeds the following performance criteria; JASO MA, API SL | Homologated Product conforming to standards



#### KYOTO JAPAN MOTO 4T 10W-50 SYNTHETIC MOTORCYCLE OIL

Product Code: **KJL1203**

**Kyoto Japan Moto 4T 10W-50** is a semi synthetic 4-stroke gasoline engine oil developed specifically to meet the special requirements of latest high performance air cooled 4-stroke motorcycles. It provides excellent protection to engine, gearbox and wet clutch used in 4-stroke motorcycles and ensures highest degree of reliability even under severe operating conditions and temperatures.

**Kyoto Japan Moto 4T 10W-50** is based on a high quality mineral and synthetic base oils in combination with a special selected additive package to obtain the following properties:

- Outstanding thermo-oxidative stability. • Exceptional antiwear, antirust and anticorrosion properties. • Controlled frictional properties eliminate clutch slippage. • Increased power/ fuel economy and improves drivability. • Excellent dispersancy and detergency properties. • Excellent shear stability maintains viscosity under high temperature-high shear environment. • Provides improved wear protection. • Outstanding low temperature properties enable easy starting at low ambient temperatures. • Ensure effective lubrication and wear protection at start up. • Low volatility characteristics reduce oil consumption and hydrocarbon pollution.

Exceeds the following performance criteria; API SL, JASO MA | Homologated Product conforming to standards



#### KYOTO JAPAN POWER SYNT 2T SYNTHETIC 2 STROKE OIL

Product Code: **KJL1204**

**Kyoto Japan Power Synt 2T** is a high performance low smoke 2-stroke motorcycle oil based on 100% synthetic technology to be used in 2-stroke motorcycle, scooter, snow mobiles and other variety gasoline engines. Kyoto Japan Power Synt 2T cannot be used in 2-stroke outboard engines

**Kyoto Japan Power Synt 2T** is based on high performance synthetic base oil in combination with a specially selected additive technology to ensure the following properties.

- Excellent engine protection on cleanliness. • Low smoke even under extreme operation conditions. • High thermal and oxidation stability. • Exceptional protection against piston scuffing. • High antiwear and anticorrosion properties. • Homogeneous mixture even at low ambient temperatures.

Exceeds the following performance criteria; JASO FD, ISO-L-EGD, API TC, ISO 6743-15 | Homologated Product conforming to standards

#### KYOTO JAPAN POWER SEMI-SYNT 2T SEMI-SYNTHETIC 2 STROKE OIL

Product Code: **KJL1205**

**Kyoto Japan Power Semi-Synt 2T** is a high quality semi-synthetic lubricant specially developed for high powered 2-stroke air cooled gasoline engines fitted with oil-injection or premix systems.

**Kyoto Japan Power Semi-Synt 2T** is based on a high quality virgin and synthetic base oils in combination with a special selected additive package to obtain the following properties:

- Outstanding protection against piston scuffing and premature wear of engine components. • Excellent control against engine deposits, exhaust system blocking. • Extended engine life without power loss. • Low ash additive technology prevents pre-ignition and spark plug fouling. • Specially selected synthetic base fluid reduces visible exhaust smoke. • Easy miscibility with gasoline ensures stable homogeneous mixture even at low ambient temperatures.

Exceeds the following performance criteria; API TC, JASO FD, ISO-L-EGD | Homologated Product conforming to standards



#### KYOTO JAPAN POWER 2T 2 STROKE OIL

Product Code: **KJL1206**

**Kyoto Japan Power 2T** is a high quality lubricant suitable for use in air cooled 2-stroke gasoline engines deployed in variety of applications.

**Kyoto Japan Power 2T** is based on a high quality virgin base oils in combination with a special selected additive package to obtain the following properties:

- Excellent lubricity protects against piston scuffing and premature wear of engine components • Proven additive technology controls engine and exhaust system deposits • Low ash formula prevents pre-ignition and spark plug fouling • Easy miscibility with gasoline ensures stable homogeneous mixture even at low ambient temperatures.

Exceeds the following performance criteria; API TC, JASO FB | Homologated Product conforming to standards



#### KYOTO JAPAN OUTBOARD 2T 2 STROKE OIL

Product Code: **KJL1207**

**Kyoto Japan outboard 2T** is a high performance ashless 2-stroke engine oil for use in modern cooled outboard engines where NMMA TC-W3 is required

**Kyoto Japan outboard 2T** is based on high performance mineral base oil in combination with a specially selected additive technology to ensure the following properties.

- Excellent lubricity. • Protection against wear and rust. • High protection against scuffing and deposit forming. • Easy mixing and stable mixture even at low temperatures

Exceeds the following performance criteria; NMMA TC-W3® | Homologated Product conforming to standards





Automotive Gear Oils



KYOTO JAPAN FULLGEAR EP 80W-90

HEAVY DUTY AUTOMOTIVE GEARBOX OIL

Product Code: **KJL1301**

**Kyoto Japan FullGear EP 80W-90** is an universal high performance mineral EP gear oil for use in manual transmission en transaxles of passenger cars, vans, light- and heavy commercial vehicles, off-highway equipment, mining and agriculture where a SAE 80W-90 GL-4 is been required.

**Kyoto Japan FullGear EP 80W-90** is formulated with high refined mineral base stocks in combination with a special EP-additive technology to achieve the following performance:

- Good Extreme Pressure and Antiwear properties.
- High thermal- and oxidation stability.
- Effective rust, wear and corrosion protection.
- Better low temperature provides easy start-up at low ambient temperatures.
- Good anti-foam properties ensure film strength for effective lubrication.
- Excellent seal compatibility.

Exceeds the following performance criteria: API GL-4, MIL-L-2105 | Homologated Product conforming to standards



KYOTO JAPAN FULLGEAR MZ 80W

PREMIUM PERFORMANCE AUTOMOTIVE GEARBOX OIL

Product Code:**KJL1302**

**Kyoto Japan FullGear MZ 80W** is an universal high performance mineral MP gear oil for use in a wide range of automotive transmission and final drives of on passenger cars, light- and heavy trucks, busses and vans.

**Kyoto Japan FullGear MZ 80W** is formulated with high refined mineral base stocks in combination with a special MP-additive technology to achieve the following performance:

- Very good protection against wear.
- Very good performance against the forming of foam and corrosion.
- Good Oxidation- and thermal stability.

Exceeds the following performance criteria: API GL-4, MIL-L-2105, MB 235.5, MAN 341 Z2, ZF TE-ML 02B/17A

Homologated Product conforming to standards



KYOTO JAPAN FULLGEAR MP 80W-90

HEAVY DUTY AXLE OIL

Product Code: **KJL1303**

**Kyoto Japan FullGear MP 80W-90** is an universal high performance mineral MP gear oil for use in manual transmission en transaxles of passenger cars, vans, light- and heavy commercial vehicles, off-highway equipment, mining and agriculture where a SAE 80W-90 GL-5 is been required.

**Kyoto Japan FullGear MP 80W-90** is formulated with high refined mineral base stocks in combination with a special MP-additive technology to achieve the following performance:

- Very good protection against wear.
- Very good performance against the forming of foam and corrosion.
- Good Oxidation- and thermal stability.

Exceeds the following performance criteria: API GL-5, MIL-L-2105D, MAN 342 M1/M2, ZF TE-ML 05A, 7A, 16B, 16C, 16D, 17B, 19B, 21A

Homologated Product conforming to standards



KYOTO JAPAN FULLGEAR LS 80W-90

LIMITED-SLIP DIFFERENTIAL GEAR OIL

Product Code: **KJL1304**

**Kyoto Japan FullGear LS 80W-90** is an extra high performance extreme pressure type automotive gear lubricant specially developed for use in modern high performance passenger cars, sports utility vehicles, vans and light duty trucks with limited slip differentials.

**Kyoto Japan FullGear LS 80W-90** is based on high quality mineral virgin base oil in combination with a special additive package to ensure the following properties:

- Exceptional thermo-oxidative stability.
- Exceptional load bearing characteristics.
- Effective rust and corrosion protection.
- Excellent limited slip performance to reduce chatter and improves traction.
- Outstanding low temperature fluidity provides smoother shifting at low ambient temperatures.
- Exceptional shear stable.
- Good frictional properties provide improved fuel economy and smoother shift ability

Exceeds the following performance criteria: API GL 5, MIL PRF 2105D, MAN 342 M1/M2, MB 235.0, Volvo 97310, DAF, Renault, Arvin Meritor, ZF TE-ML 05C, 12C, 16E, 21C | Homologated Product conforming to standards

KYOTO JAPAN FULLGEAR TX 75W-80

SYNTHETIC HIGH PERFORMANCE HEAVY DUTY AUTOMOTIVE GEARBOX OIL

Product Code: **KJL1305**

**Kyoto Japan FullGear TX 75W-80** is a high quality fuel saving synthetic thermally stable long life gear lubricant designed for passenger- and commercial vehicles using manual transmissions fitted with different synchronizers including latest ones based on carbon.

**Kyoto Japan FullGear TX 75W-80** is based on high quality synthetic base oil in combination with a special additive package to ensure the following properties:

- Exceptional thermo-oxidative stability.
- Superior lubricating properties provide improved fuel economy.
- Exceptional load bearing characteristics.
- Effective rust and corrosion protection.
- Outstanding low temperature fluidity provides smoother shifting at low ambient temperatures.
- Good gear engagement with a variety of synchronizer materials including latest carbon.
- Good frictional properties provide improved fuel economy and smoother shift ability

Exceeds the following performance criteria: MAN 341 Z4, MAN 341 E3, Iveco, Renault B0032/2, Eaton Europe, API GL-5, Volvo 97305, MB 235.4, ZF TE-ML 01L, 02L, 08, 16K | Homologated Product conforming to standards



KYOTO JAPAN FULLGEAR TDL 80W90

TOTAL DRIVELINE LUBRICANT

Product Code: **KJL1306**

**Kyoto Japan FullGear TDL 80W90** is a high performance total driveline gear lubricant designed to provide excellent lubrication in a wide range of drive trains of light & heavy duty commercial vehicles.

**Kyoto Japan FullGear TDL 80W90** is based on high quality mineral base oil in combination with a special additive package to ensure the following properties:

- Good thermo-oxidative stability.
- Good load bearing characteristics.
- Effective rust and corrosion protection.
- High low temperature fluidity provides smoother shifting at low ambient temperatures.
- Exceptional shear stable.
- Excellent frictional properties provide improved fuel economy and smoother shiftability

Exceeds the following performance criteria: API GL-4/5, MT-1, MAN M 3343, MIL-PRF-2105E, Scania STO 1:0, MB 235.0, ZF TE-ML 02B/05A/07A/12E/16B/16C/16D/17B/19B/21A, SAE J2360, MACK GO-J, MAN 341 E2, Volvo 97310 | Homologated Product conforming to standards



KYOTO JAPAN FULLGEAR TDL 85W140

TOTAL DRIVELINE LUBRICANT

Product Code: **KJL1307**

**Kyoto Japan FullGear TDL 85W140** is a high performance total driveline gear lubricant designed to provide excellent lubrication in a wide range of drive trains of light & heavy duty commercial vehicles.

**Kyoto Japan FullGear TDL 85W140** is based on high quality mineral base oil in combination with a special additive package to ensure the following properties:

- Good thermo-oxidative stability.
- Good load bearing characteristics.
- Effective rust and corrosion protection.
- High low temperature fluidity provides smoother shifting at low ambient temperatures.
- Exceptional shear stable.
- Excellent frictional properties provide improved fuel economy and smoother shiftability

Exceeds the following performance criteria: API GL-4/5, MT-1, MAN M 3343, MIL-PRF-2105E, Scania STO 1:0, MB 235.0, ZF TE-ML 02B/05A/07A/12E/16B/16C/16D/17B/19B/21A, SAE J2360, MACK GO-J, MAN 341 E2 | Homologated Product conforming to standards



KYOTO JAPAN FULLGEAR SYNT 75W90

SYNTHETIC TOTAL DRIVELINE LUBRICANT

Product Code: **KJL1308**

**Kyoto Japan FullGear SYNT 75W90** is a high quality fuel conserving fully synthetic total driveline gear lubricants designed to meet the demanding requirements of light duty and heavy duty commercial vehicles and off-highway equipment operating in most severe operating conditions. Unique additive technology allows the use of a single lubricant in rear axles, synchronized and non-synchronized manual transmission. **Kyoto Japan FullGear SYNT 75W90** is based on high quality synthetic base oil in combination with a special additive package to ensure the following properties:

- Exceptional thermo-oxidative stability.
- Exceptional load bearing characteristics.
- Effective rust and corrosion protection.
- Outstanding low temperature fluidity provides smoother shifting at low ambient temperatures.
- Exceptional shear stable.
- Superior frictional properties provide improved fuel economy and smoother shiftability
- Excellent thermal- and oxidation stability.
- Very good dispersant and detergent properties.
- Excellent cold temperature properties for a smooth cold start.
- Excellent protection against wear, corrosion and foam.
- Suited for extreme and severe conditions.

Exceeds the following performance criteria: API GL-4/5, MT-1, MAN M33435, MIL-PRF-2105E, Scania STO 1:0, MB 235.0, ZF TE-ML 02B/05A/07A/12E/16B/16C/16D/17B/19B/21A, SAE J2360, MACK GO-J, MAN 341 E2 | Homologated Product conforming to standards





Automotive Gear Oils



KYOTO JAPAN FULLGEAR SYNT 75W140

SYNTHETIC TOTAL DRIVELINE LUBRICANT

Product Code: **KJL1309**

**Kyoto Japan FullGear SYNT 75W140** is a fuel saving universal high performance EP gear oil based on synthetic technology for use as total driveline gear of passenger cars, vans, light- and heavy commercial vehicles requiring a GL-4/GL-5 SAE 75W-90 performance.

**Kyoto Japan FullGear SYNT 75W140** is formulated with PAO (PolyAlphaOlefins) synthetic base stocks in combination with

- a unique EP-additive technology to achieve the following performance:
- Very good protection against wear.
  - Very good performance against the forming of foam and corrosion.
  - Outstanding Oxidation- and thermal stability.
  - Superior seal compatibility
  - Fully compatible with synchromesh transmissions.

Exceeds the following performance criteria: API GL-4/GL-5, API MT-1, MIL-PRF-2105E, SAE J236Q, DAF, IVECO, MAN M 3343S, MAN 341 E3, MB 235.8, Scania STO 1:0, Arvin Meritor O-76-N, MACK GO-J, ZF TE-ML 02B/05B/07A/12B/16F/17B/19C/21B

Homologated Product conforming to standards



KYOTO JAPAN FULLGEAR EP 90

GEAR OIL

Product Code: **KJL1310**

**Kyoto Japan FullGear EP 90** is an universal performance mineral EP gear oil for use in manual transmission en transaxles of passenger cars, vans, light- and heavy commercial vehicles, off-highway equipment, mining and agriculture where a SAE 90 GL-5 is been required.

**Kyoto Japan FullGear EP 90** is formulated with high refined mineral base stocks in combination with a special EP-additive technology to achieve the following performance:

- Very good protection against wear.
- Very good performance against the forming of foam and corrosion.
- Good Oxidation- and thermal stability.

Exceeds the following performance criteria; API GL-5, MIL-L-2105 | Homologated Product conforming to standards



KYOTO JAPAN FULLGEAR LS 85W140

GEAR OIL

Product Code: **KJL1311**

**Kyoto Japan FullGear LS 85W140** is an extra high performance extreme pressure type automotive gear lubricant specially developed for use in modern high performance passenger cars, sports utility vehicles, vans and light duty trucks with limited slip differentials.

**Kyoto Japan FullGear LS 85W140** is based on high quality mineral virgin base oil in combination with a special additive package to ensure the following properties:

- Exceptional thermo-oxidative stability.
- Exceptional load bearing characteristics.
- Effective rust and corrosion protection.
- Excellent limited slip performance to reduce chatter and improves traction.
- Outstanding low temperature fluidity provides smoother shifting at low ambient temperatures.
- Exceptional shear stable.
- Good frictional properties provide improved fuel economy and smoother shift ability

Exceeds the following performance criteria; API GL 5, MIL PRF 2105D, MAN 342 M1/M2, MB 235.0, Volvo 97310, DAF, Renault, Arvin Meritor, ZF TE-ML 05C, 12C, 16E, 21C | Homologated Product conforming to standards

Automatic Transmission Fluids

KYOTO JAPAN AUTO ATF DEXRON II

SEM-SYNTHETIC AUTOMATIC TRANSMISSION FLUID

Product Code: **KJL1312**

**Kyoto Japan AUTO ATF DEXRON II** is a high quality universal fluid to be used in automatic transmission, torque convertors and power steering of passenger car, light vans and commercial vehicles.

**Kyoto Japan AUTO ATF DEXRON II** is formulated on high refined solvent mineral and synthetic base stock in combination with an unique additive package to reach the following properties.

- Good thermal- and oxidation stability.
- Special friction modifiers.
- Very high viscosity Index.
- Low pourpoint.
- Excellent shifting at very low and high temperatures.
- Excellent protection against the forming corrosion, foam and wear.

Exceeds the following performance criteria: Dexron IID, ZF TE-ML 02F, 03D, 04D, 09, 11B, 14A, 17C

Homologated Product conforming to standards



KYOTO JAPAN AUTO ATF DEXRON III

SEM-SYNTHETIC AUTOMATIC TRANSMISSION FLUID

Product Code: **KJL1313**

**Kyoto Japan AUTO ATF DEXRON III** is a high quality universal fluid to be used in automatic transmission, torque convertors and power steering of passenger car, light vans and commercial vehicles.

**Kyoto Japan AUTO ATF DEXRON III** is formulated on high refined solvent mineral and synthetic base stock in combination with an unique additive package to reach the following properties.

- Excellent thermal- and oxidation stability.
- Special friction modifiers.
- Very high viscosity Index.
- Low pourpoint.
- Excellent shifting at very low and high temperatures.
- Excellent protection against the forming corrosion, foam and wear.

Exceeds the following performance criteria: DEXRON IIIF/G/H, Allison C4, CAT TO-2, MAN 339 Z1/Z2, MAN 339 V1/V2, MB 236.10/236.9/236.7/236.5/236.1, Voith 55.6335, Voith 55.6336, Volvo 97341, Mercon, ZF 02F/03D/04D, ZF 11A/11B/14B/16L

Homologated Product conforming to standards



KYOTO JAPAN AUTO ATF MULTI VEHICLE

SYNTHETIC AUTOMATIC TRANSMISSION FLUID

Product Code: **KJL1314**

**Kyoto Japan AUTO ATF MULTI VEHICLE** is a high quality synthetic fluid specially designed with advanced multi-vehicle additive technology to serve a broad range of. Kyoto Japan AUTO ATF MULTI VEHICLE exceeds the complex requirements of Automatic Transmission/ Vehicle Manufacturers of Europe, North America and Asia including the JASO 1-A performance standard created by Japanese Automobile Manufacturers Association. Remark: **Not** suitable for use in Continuously Variable Transmissions (CVT), Dual Clutch Transmission (DCT), Daimler MB 7 speed (NAG 2), ZF 6 Speed

Exceeds the following performance criteria; Allison C4, TES 295, LT 71141, LA 23634, ETL -7045E, 8072B, Cat TO-2, Chrysler +3, +4, Ford Mercon, Ford Mercon V, Dexron IIIG/H | Homologated Product conforming to standards



KYOTO JAPAN AUTO ATF SUFFIX A

HIGH FRICTION AUTOMATIC TRANSMISSION FLUID

Product Code: **KJL1315**

**Kyoto Japan AUTO ATF SUFFIX A** is a high performance automatic transmission fluid for developed for the automatic transmissions and power steering systems of vehicles specifying the use of General Motors TYPE A SUFFIX A quality fluids.

**Kyoto Japan AUTO ATF SUFFIX A** is formulated on high refined solvent mineral base stock in combination with an unique additive package to reach the following properties:

- Good thermal- and oxidation stability.
- Special friction modifiers.
- High Viscosity Index.
- Low pourpoint.
- Excellent shifting at very low and high temperatures.
- Excellent protection against the forming corrosion, foam and wear.

Exceeds the following performance criteria; Type A Suffix A | Homologated Product conforming to standards





Automatic Transmission Fluids

KYOTO JAPAN AUTO ATF D VI

SYNTHETIC AUTOMATIC TRANSMISSION FLUID

Product Code: **KJL1316**

**Kyoto Japan AUTO ATF D VI** is a high quality universal fluid based on 100% synthetic base stocks to be used in automatic transmission, torque converters and powersteering of passenger car, light vans and commercial vehicles where a GM Dexron VI specification is required. Kyoto Japan AUTO ATF D VI is backwards compatible where Dexron II and Dexron III is been required

**Kyoto Japan AUTO ATF D VI** is formulated on high refined synthetic base stock in combination with an unique additive package to reach the following properties.

Exceeds the following performance criteria; GM Dexron VI, Voith 55.6335.3X (G607) | Homologated Product conforming to standards

- Excellent thermal- and oxidation stability.
- Special friction modifiers.
- Verry high viscosity Index.
- Low pourpoint.
- Excellent shifting at very low and high temperatures.
- Excellent protection against the forming corrosion, foam and wear.

KYOTO JAPAN FULLGEAR SEMI SYNT 75W90

SEM-SYNTHETIC GEAR OIL

Product Code: **KJL1317**

**Kyoto Japan FullGear SEMI SYNT 75W90** is a high quality fuel conserving total driveline gear lubricants based on synthetic technology designed to meet the demanding requirements of light duty and heavy duty commercial vehicles and off-highway equipment operating in most severe operating conditions. Unique additive technology allows the use of a single lubricant in rear axles, synchronized and non-synchronized manual transmission.

**Kyoto Japan FullGear SEMI SYNT 75W90** is based on high quality base oil in combination with a special additive package to ensure the following properties:

Exceeds the following performance criteria: API GL-4/GL-5, MIL-L-PRF-2105E, API MT-1, Mack GO-J, MAN 341 Type Z2, MAN 341 Type Z2, MAN 342 Type M2, MB 235.0, Scania STO-1, SAE J2360, Arvin Meritor 0-76-N | Homologated Product conforming to standards

- Excellent thermo-oxidative stability.
- Excellent load bearing characteristics.
- Effective rust and corrosion protection.
- Outstanding low temperature fluidity provides smoother shifting at low ambient temperatures.
- Excellent shear stable.
- High frictional properties provide improved fuel economy and smoother shift ability
- Excellent thermal- and oxidation stability.
- Very good dispersant and detergent properties.
- Excellent cold temperature properties for a smooth cold start.
- Excellent protection against wear, corrosion and foam.
- Suited for extreme and severe conditions.

KYOTO JAPAN AUTO DSG

SYNTHETIC AUTOMATIC TRANSMISSION FLUID

Product Code: **KJL1318**

**Kyoto Japan AUTO DSG** is a high performance full synthetic long life ATF specially designed for use in the last generation DCT (Double Coupling Transmission) transmission of the VAG group and are characterized for fast and sportive shifting.

**Kyoto Japan AUTO DSG** is based on fully synthetic base in combination with an unique additive package to ensure the following properties:

Exceeds the following performance criteria: VW TL 521 82, BMW EU 83 22 2 148 578 , BMW EU 83 22 2 148 579, VW G 052 529 Homologated Product conforming to standards

- Excellent thermo- and oxidation stability.
- Excellent lubrication, even under extreme conditions.
- Very high protection against wear, corrosion and foam.
- High "shear stable".
- Very low Pour point, can be used by very cold temperatures.
- High Viscosity Index.

Heavy Duty Engine Oils

KYOTO JAPAN TRUCK UHPD 5W-40

SYNTHETIC HEAVY DUTY ENGINE OIL

Product Code: **KJL1401**

**Kyoto Japan Truck UHPD 5W-40** is a high performance fully synthetic engine oil to be used in diesel engines in light- and heavy commercial vehicles with or without turbocharger. Kyoto Japan Truck UHPD 5W-40 is designed for use in Euro-II, Euro-III and EURO-IV emission requirements and engines equipped with EGR and/or SCR exhaust after treatment system. Kyoto Japan Truck UHPD 5W-40 may not been used in diesel engines equipped with a Diesel Particle Filter (DPF).

**Kyoto Japan Truck UHPD 5W-40** is based on high performance

Exceeds the following performance criteria; ACEA E4/E7, API CF, MAN M 3277, MB 228.5, MTU Type 3, Renault RXD, Scania LFD 2, ACEA A3/B4 | Homologated Product conforming to standards

synthetic base oil in combination with especially selected additive technology to ensure the following properties.

- Excellent thermal and oxidation stability.
- Excellent protection against forming of "Bore Ploshing".
- Suitable for Low emission engine equipped with EGR and SCR technology
- Excellent protection against wear, foam en corrosion.
- Low temperature properties, to ensure a smooth cold start.
- Extended oil drain interval possible

KYOTO JAPAN TRUCK EHPD 10W-40

SEMI-SYNTHETIC HEAVY DUTY ENGINE OIL

Product Code: **KJL1402**

**Kyoto Japan Truck EHPD 10W-40** is a high performance semi synthetic engine oil to be used in diesel engines in light- and heavy commercial vehicles with or without turbocharger designed for use in Euro-II, Euro-III and EURO-IV emission requirements and engines equipped with EGR and/or SCR exhaust after treatment system. Kyoto Japan Truck EHPD 10W-40 is unsuitable for diesel engines equipped with a Diesel Particle Filter (DPF)

**Kyoto Japan Truck EHPD 10W-40** is based on high performance

Exceeds the following performance criteria; MB-Approval 228.5, MAN M 3277, Renault RLD-2, Volvo VDS-3, MACK EO-N, MTU Type 3, Scania LDF-2, API CI-4, ACEA E7/E4, Cummins 20077/20078 | Homologated Product conforming to standards

synthetic and mineral base oil in combination with a specially selected additive technology to ensure the following properties:

- Excellent thermal and oxidation stability.
- Excellent protection against forming of "Bore Polishing".
- Suitable for Low emission engine equipped with EGR and SCR technology
- Excellent protection against wear, foam en corrosion.
- Low temperature properties, to ensure a smooth cold start.
- Extended oil drain interval possible

KYOTO JAPAN TRUCK UHPD 5W-30

SYNTHETIC HEAVY DUTY ENGINE OIL

Product Code: **KJL1403**

**Kyoto Japan Truck UHPD 5W-30** is a high performance engine oil based on 100% synthetic technology to be used in diesel engines in light- and heavy commercial vehicles with or without turbocharger designed for use in Euro-II, Euro-III, EURO-IV and Euro-V emission requirements and engines equipped with EGR and/or SCR exhaust after treatment system. Kyoto Japan Truck UHPD 5W-30 is not suitable for diesel engines equipped with a Diesel Particle Filter (DPF).

**Kyoto Japan Truck UHPD 5W-30** is based on high performance

Exceeds the following performance criteria: MB-228.5, MAN M3277, MTU Type 3, ACEA E7/E4, Mack EO-M, Renault RVI RXD, Cummins 20076/20077/20078, Global DHD-1 | Homologated Product conforming to standards

synthetic base oil in combination with a specially selected additive technology to ensure the following properties:

- Excellent thermal and oxidation stability.
- Excellent protection against forming of "Bore Polishing".
- Suitable for Low emission engine equipped with EGR and SCR technology
- Excellent protection against wear, foam en corrosion.
- Low temperature properties, to ensure a smooth cold start.
- Extended oil drain interval possible

KYOTO JAPAN TRUCK UHPD 10W-40

SYNTHETIC HEAVY DUTY ENGINE OIL

Product Code: **KJL1404**

**Kyoto Japan Truck UHPD 10W-40** is a high performance fully synthetic engine oil to be used in diesel engines in light- and heavy commercial vehicles with or without turbocharger. Kyoto Japan Truck UHPD 10W-40 is designed for use in Euro-II, Euro-III and EURO-IV emission requirements and engines equipped with EGR and/or SCR exhaust after treatment system. Kyoto Japan Truck UHPD 10W-40 may not been used in diesel engines equipped with a Diesel Particle Filter (DPF).

**Kyoto Japan Truck UHPD 10W-40** is based on high performance

Exceeds the following performance criteria; MB-228.5, MAN M 3277, MTU Type 3, ACEA E7/E4, Mack EO-M, Renault RVI RXD, Cummins 20076/20077/20078, Global DHD-1, Scania LDF-3, Volvo VDS-3 | Homologated Product conforming to standards

synthetic base oil in combination with especially selected additive technology to ensure the following properties:

- Excellent thermal and oxidation stability.
- Excellent protection against forming of "Bore Ploshing".
- Suitable for Low emission engine equipped with EGR and SCR technology
- Excellent protection against wear, foam en corrosion.
- Low temperature properties, to ensure a smooth cold start.
- Extended oil drain interval possible



### Heavy Duty Engine Oils

#### KYOTO JAPAN TRUCK SCR 10W-40 SYNTHETIC HEAVY DUTY ENGINE OIL

Product Code: **KJL1405**

**Kyoto Japan Truck SCR 10W-40** is a fuel conserving super LOW SAPS high performance universal oil designed based on 100% synthetic technology for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year and running on low Sulphur Diesel Fuel (max 50 ppm) for use in Euro-4 and Euro-5 engines equipped with Diesel Particle Filter (DPF). This product is also suitable for vehicles equipped with EGR and/or SCR after treatment systems.

**Kyoto Japan Truck SCR 10W-40** is formulated on high quality refined synthetic base stock in combination with a special additive package to reach the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against "Bore Polishing".
- Extended drain intervals up to 150.000 km.
- Suitable for engines equipped with a Diesel Particle Filter (DPF)
- Fuel conserving

Exceeds the following performance criteria; MB-228.51, MAN M 3477, MAN M 3271, Volvo VDS-3, MTU Type 3.1, ACEA E6/E7, Deutz DQC-III-05, Renaults RXD, MAN M 3277 CRT | Homologated Product conforming to standards

#### KYOTO JAPAN TRUCK HDX 10W-40 SEMI-SYNTHETIC HEAVY DUTY ENGINE OIL

Product Code: **KJL1406**

**Kyoto Japan Truck HDX 10W-40** is an extra high performance universal semi synthetic engine oil designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year for use in Euro-3, Euro-4 and Euro-5 engines equipped with EGR and/or SCR. This product is not suitable for vehicles equipped with DPF filters.

solvent mineral and synthetic base stock in combination with a special additive package to reach the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against Bore Polishing.
- Extended drain intervals.

**Kyoto Japan Truck HDX 10W-40** is formulated with high refined

Exceeds the following performance criteria; MB-228.3, MAN M 3275, Volvo VDS-3, Renault RLD-2, Mack EO-N, API CI-4, ACEA E7, DDC 93K215, Caterpillar ECF-1a, ECF-2, Global DHD-1, JASO DH-1, Allison C4, MTU Type 2, Mack EO-M+ Homologated Product conforming to standards

#### KYOTO JAPAN TRUCK HDX 15W-40 HEAVY DUTY ENGINE OIL

Product Code: **KJL1407**

**Kyoto Japan Truck HDX 15W-40** is an extra high performance universal engine oil designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year for use in Euro-3, Euro-4 and Euro-5 engines equipped with EGR and/or SCR. This product is not suitable for vehicles equipped with DPF filters.

solvent mineral stock in combination with a special additive package to reach the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against Bore Polishing.
- Extended drain intervals.

**Kyoto Japan Truck HDX 15W-40** is formulated with high refined

Exceeds the following performance criteria; MB-228.3, MAN M 3275, Volvo VDS-3, Renault RLD-2, Mack EO-N, API CI-4, ACEA E7, DDC 93K215, Caterpillar ECF-1a, ECF-2, Global DHD-1, JASO DH-1, Allison C4, MTU Type 2, Mack EO-M+, Cummins CES 20077/20078, DAF HP-2 Homologated Product conforming to standards

#### KYOTO JAPAN TRUCK HDL 15W-40 HEAVY DUTY ENGINE OIL

Product Code: **KJL1408**

**Kyoto Japan Truck HDL 15W-40** is a high performance universal mineral engine oil designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year and is formulated for use in Euro-1, Euro-2 and Euro-3 engines equipped with EGR and/or SCR. This product is not suitable for vehicles equipped with DPF filters.

to reach the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against Bore Polishing.
- Not suitable for engine equipped with a Diesel Particle Filter (DPF).

**Kyoto Japan Truck HDL 15W-40** is formulated on high refined solvent base stock in combination with a special additive package

Exceeds the following performance criteria; MB-228.3, MAN M 3275, API CG-4/CF, ACEA E2 (level), Volvo VDS, MTU Type 2, Mack EO-L Homologated Product conforming to standards

#### KYOTO JAPAN TRUCK HDL 10W-40 SEMI-SYNTHETIC HEAVY DUTY ENGINE OIL

Product Code: **KJL1409**

**Kyoto Japan Truck HDL 10W-40** is a high performance universal semi synthetic oil designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year and is formulated for use in Euro-1, Euro-2 and Euro-35 engines equipped with EGR and/or SCR. This product is not suitable for vehicles equipped with DPF filters.

special additive package to reach the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against Bore Polishing.
- Not suitable for engine equipped with a Diesel Particle Filter (DPF).

**Kyoto Japan Truck HDL 10W-40** is formulated on high refined solvent mineral and synthetic base stock in combination with a

Exceeds the following performance criteria; API CH-4/CF, ACEA E2 (level), MB 228.3, MAN M 3275, Volvo VDS-2, MTU Type 2, Mack EO-L, Allison C-4, API 5L, ACEA A3/B4, MB 229.1 | Homologated Product conforming to standards

#### KYOTO JAPAN TRUCK HDL 20W-50 HEAVY DUTY ENGINE OIL

Product Code: **KJL1410**

**Kyoto Japan Truck HDL 20W-50** is a high performance universal mineral engine oil designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year and is formulated for use in Euro-1, Euro-2 and Euro-3 engines equipped with EGR and/or SCR. This product is not suitable for vehicles equipped with DPF filters.

to reach the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against Bore Polishing.
- Not suitable for engine equipped with a Diesel Particle Filter (DPF).

**Kyoto Japan Truck HDL 20W-50** is formulated on high refined solvent base stock in combination with a special additive package

Exceeds the following performance criteria; API CG-4/CF, ACEA E2 (level), MB 228.3, MAN M 3275, Volvo VDS , MTU Type 2, Mack EO-L Homologated Product conforming to standards

#### KYOTO JAPAN TRUCK SHPD 15W-40 HEAVY DUTY ENGINE OIL

Product Code: **KJL1412**

**Kyoto Japan Truck SHPD 15W-40** is a fuel saving MID SAPS super high performance universal oil based on 100% synthetic technology designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year for use in Euro-4 and Euro-5 engines equipped with a Diesel Particle Filter (DPF) and suited for diesel engines equipped with EGR and/or SCR after treatment system.

synthetic base stock in combination with an unique additive package to reach the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against "Bore Polishing".
- Extended drain intervals.
- Complies with strictest European emission regulation.

**Kyoto Japan Truck SHPD 15W-40** is formulated with high refined

Exceeds the following performance criteria; MB-228.31, Volvo VDS-4, MAN M3575, Renault VI RLD-3, Mack EO-O+, ACEA E9/E7, API CJ-4, Cummins CES 20081, Cat ECF-3/2/1a, DCC PGQ5 93K218, Deutz DQC III-05 | Homologated Product conforming to standards

#### KYOTO JAPAN TRUCK SHPD 10W-30 SYNTHETIC HEAVY DUTY ENGINE OIL

Product Code: **KJL1413**

**Kyoto Japan Truck SHPD 10W-30** is a fuel saving MID SAPS super high performance universal oil based on 100% synthetic technology designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year for use in Euro-4 and Euro-5 engines equipped with a Diesel Particle Filter (DPF) and suited for diesel engines equipped with EGR and/or SCR after treatment system.

refined synthetic base stock in combination with an unique additive package to reach the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against "Bore Polishing".
- Extended drain intervals.
- Complies with strictest European emission regulation.

**Kyoto Japan Truck SHPD 10W-30** is formulated with high

Exceeds the following performance criteria; MB-228.31, Volvo VDS-4, MAN M3575, Renault VI RLD-3, Mack EO-O+, ACEA E9/E7, API CJ-4, Cummins CES 20081 Cat ECF-3/2/1a, DCC PGQ5 93K218, Deutz DQC III-05 | Homologated Product conforming to standards



### Heavy Duty Engine Oils

#### KYOTO JAPAN TRUCK LOW SAPS 5W30 SYNTHETIC HEAVY DUTY ENGINE OIL

Product Code: **KJL1414**

**Kyoto Japan Truck Low Saps 5W30** is a fuel conserving super high performance universal oil designed based on 100% synthetic technology for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year and running on low Sulphur Diesel Fuel (max. 50 ppm). Kyoto Japan Truck Low Saps 5W30 is developed for use in Euro-4 and Euro-5 engines equipped with Diesel Particle Filter (DPF). This product is also suitable for vehicles equipped with EGR and/or SCR after treatment systems.

**Kyoto Japan Truck Low Saps 5W30** is formulated on high refined synthetic base stock in combination with an special additive package to reach the following properties.

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against "Bore Polishing".
- Extended drain intervals up to 150.000 km.
- Suitable for engines equipped with a Diesel Particle Filter (DPF)
- Fuel conserving

Exceeds the following performance criteria: ACEA E6/E7, API CI-4, MB-228.51, MAN M3477, MAN M 3271, MACK EO-N, Volvo VDS-3, MTU Type 3.1, Cummins CES 20076/20077, Renault RLD-2/RXD/RDG, Deutz DQC-III-5-LA | Homologated Product conforming to standards

#### KYOTO JAPAN TRUCK CF 10 / CF 30 HEAVY DUTY ENGINE OIL

Product Code: **KJL1415 / KJL 1417**

**Kyoto Japan Truck CF 10 / CF 30** is a heavy duty diesel engine oil developed to meet the requirements of a variety of diesel engines operating under severe conditions.

**Kyoto Japan Truck CF 10 / CF 30** is suitable for use in a wide range of on- and off-highway applications where an API CF oil is recommended.

**Kyoto Japan Truck CF 10 / CF 30** is based on high quality refined virgin base oil in combination with a special additive package to ensure the following properties:

- High thermal and oxidation stability.
- Effective in preventing from wear, corrosion and foam.
- High dispersancy and detergency properties.

Exceeds the following performance criteria: API SF/CF, MTU Type 2, CCMC G2/D1, MIL-L-46152  
Homologated Product conforming to standards

#### KYOTO JAPAN TRUCK CF 20W-20 HEAVY DUTY ENGINE OIL

Product Code: **KJL1416**

**Kyoto Japan Truck CF 20W-20** is a heavy duty diesel engine oil developed to meet the requirements of a variety of diesel engines operating under severe conditions.

**Kyoto Japan Truck CF 20W-20** is suitable for use in a wide range of on- and off-highway applications where an API CF oil is recommended.

**Kyoto Japan Truck CF 20W-20** is based on high quality refined virgin base oil in combination with a special additive package to ensure the following properties:

- High thermal and oxidation stability.
- Effective in preventing from wear, corrosion and foam.
- High dispersancy and detergency properties.

Exceeds the following performance criteria: API SF/CF, MTU Type 2, CCMC G2/D1, MIL-L-46152  
Homologated Product conforming to standards

#### KYOTO JAPAN TRUCK CF 40 / CF 50 HEAVY DUTY ENGINE OIL

Product Code: **KJL1418 / KJL 1419**

**Kyoto Japan Truck CF 40 / CF 50** is a heavy duty diesel engine oil developed to meet the requirements of a variety of diesel engines operating under severe conditions.

**Kyoto Japan Truck CF 40 / CF 50** is suitable for use in a wide range of on- and off-highway applications where an API CF oil is recommended.

**Kyoto Japan Truck CF 40 / CF 50** is based on high quality refined virgin base oil in combination with a special additive package to ensure the following properties:

- High thermal and oxidation stability.
- Effective in preventing from wear, corrosion and foam.
- High dispersancy and detergency properties.

Exceeds the following performance criteria: API SF/CF, MTU Type 2, CCMC G2/D1, MIL-L-46152  
Homologated Product conforming to standards

#### KYOTO JAPAN TRUCK SLA 10W-40 SYNTHETIC HEAVY DUTY ENGINE OIL

Product Code: **KJL1420**

**Kyoto Japan Truck SLA 10W40** is a fuel conserving super high performance LOW SAPS oil based on 100% synthetic technology designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year and running on low Sulphur Diesel Fuel (max. 50 ppm). Kyoto Japan Truck SLA 10W40 is formulated for use in Euro-4, Euro-5 and Euro-6 engines equipped with Diesel Particle Filter (DPF). This product is also suitable for vehicles equipped with EGR and/or SCR after treatment systems.

**Kyoto Japan Truck SLA 10W40** is formulated on high refined synthetic base stock in combination with an special additive package to reach the following properties.

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against "Bore Polishing".
- Extended drain intervals up to 150.000 km.
- Suitable for engines equipped with a Diesel Particle Filter (DPF)
- Fuel conserving

Exceeds the following performance criteria: ACEA E6, MB 228.51, MTU Type 3.1, MAN M3477, Scania Low Ash  
Homologated Product conforming to standards

#### KYOTO JAPAN TRUCK HDX 20W-50 MINERAL MOTOR OIL

Product Code: **KJL1421**

**Kyoto Japan Truck HDX 20W-50** is an extra high performance universal engine oil designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year for use in Euro-3, Euro-4 and Euro-5 engines equipped with EGR and/or SCR. This product is not suitable for vehicles equipped with DPF filters.

**Kyoto Japan Truck HDX 20W-50** is formulated with high refined

solvent mineral base stock in combination with a special additive package to reach the following properties.

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against Bore Polishing.
- Extended drain intervals possible.

Exceeds the following performance criteria: API CI-4, MB 228.3, MAN M 3275, Volvo VDS-3, ACEA E7, Renault RLD-2, Mack EO-N, Allison C4, DDC 93K215, Caterpillar ECF-1a, ECF-2, Global DHD-1, JASO DH-1, MTU Type 2, Cummins CES 20077/20078, DAF HP-2, Mack EO-M+ | Homologated Product conforming to standards

#### KYOTO JAPAN TRUCK UHPD E6 10W40 SYNTHETIC HEAVY DUTY ENGINE OIL

Product Code: **KJL1422**

**Kyoto Japan Truck UHPD E6 10W40** is a fuel conserving super high performance universal oil based on 100% synthetic technology designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year and running on low Sulphur Diesel Fuel (max. 50 ppm). Kyoto Japan Truck UHPD E6 10W40 is formulated for use in Euro-4, Euro-5 and Euro-6 engines equipped with Diesel Particle Filter (DPF). This product is also suitable for vehicles equipped with EGR and/or SCR after treatment systems.

**Kyoto Japan Truck UHPD E6 10W40** is formulated on high refined synthetic base stock in combination with an special additive package to reach the following properties.

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against "Bore Polishing".
- Extended drain intervals up to 150.000 km.
- Suitable for engines equipped with a Diesel Particle Filter (DPF)
- Fuel conserving

Exceeds the following performance criteria: MB-228.51, MAN M 3477, Renault VI RLD-2, Volvo VDS-3, MACK EO-N, Deutz DQC-III-10-LA, MTU Type 3.1, API CI-4, ACEA E6/E7 | Homologated Product conforming to standards

#### KYOTO JAPAN TRUCK UHPD E6 10W30 SYNTHETIC HEAVY DUTY ENGINE OIL

Product Code: **KJL1423**

**Kyoto Japan Truck UHPD E6 10W30** is a fuel conserving super high performance universal oil based on 100% synthetic technology designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year and running on low Sulphur Diesel Fuel (max. 50 ppm). Kyoto Japan Truck UHPD E6 10W40 is formulated for use in Euro-4, Euro-5 and Euro-6 engines equipped with Diesel Particle Filter (DPF). This product is also suitable for vehicles equipped with EGR and/or SCR after treatment systems.

**Kyoto Japan Truck UHPD E6 10W30** is formulated on high refined synthetic base stock in combination with an special additive package to reach the following properties.

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against "Bore Polishing".
- Extended drain intervals up to 150.000 km.
- Suitable for engines equipped with a Diesel Particle Filter (DPF)
- Fuel conserving

Exceeds the following performance criteria: MB-228.51, MAN M 3477, Renault VI RLD-2, Volvo VDS-3, MACK EO-N, Deutz DQC-III-10-LA, MTU Type 3.1, API CI-4, ACEA E6/E7 | Homologated Product conforming to standards



Agriclutlural Oils

KYOTO JAPAN MULTI TRACTOR 10W-30

AGRICULTURAL OIL

**Kyoto Japan Multi Tractor 10W-30** is a high quality universal mineral based so called "Super Tractor Oil Universal" (STOU) developed for use in tractors, combines, harvesters and off the road equipment with or without turbocharger diesel engines. Super Tractor Oil Universal is also designed to lubricate the transmission, power take-off, final drive, hydraulic system and oil immersed "wet brakes". This product **cannot** been used in diesel engines equipped with a Diesel Particle Filter (DPF).

Exceeds the following performance criteria: API CG-4/CF-4/CE/SF, MB 227.1, ACEA E3, JD J20C/D, Ford M2C86B/C, Ford M2C 134D, Case MS 1204/6/7/9, MF M 1135/1139, MF M 1143/1145, t TO-2, API GL-4, Allison C-4, Eaton M-2950S, Eaton I-280-S, Danfoss  
Homologated Product conforming to standards

Product Code: **KJL1451**

**Kyoto Japan Multi Tractor 10W-30** is formulated on high refined solvent mineral base stock in combination with an unique additive package to reach the following properties.

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- Excellent cold start properties.
- High anti-foam, anti-wear and anti-corrosion properties.
- Suitable for Wet Brakes.

KYOTO JAPAN MULTI TRACTOR 10W-40

SEM-SYNTHETIC AGRICULTURAL OIL

**Kyoto Japan Multi Tractor 10W-40** is a high quality universal semi synthetic based so called "Super Tractor Oil Universal" (STOU) developed for use in tractors, combines, harvesters and off the road equipment with or without turbocharger diesel engines. Super Tractor Oil Universal is also designed to lubricate the transmission, power take-off, final drive, hydraulic system and oil immersed "wet brakes". This product **cannot** been used in diesel engines equipped with a Diesel Particle Filter (DPF).

Exceeds the following performance criteria: API CG-4/CF-4/CE/SF, MB 228.1, ACEA E3, JD J20C, J20D, J27, Ford M2C86B, 134D, Ford M2C159B, Case MS 1204, 6, 7, 9, MF M 1135/1139/1143/1144/1145, CAT TO-2, API GL-4, Allison C4, ZF TE-ML 06A, 06B, 06C, 07B, NH 82009201, 2, 3, Eaton M-2950S, Eaton I-280-S, Danfoss | Homologated Product conforming to standards

Product Code: **KJL1452**

**Kyoto Japan Multi Tractor 10W-40** is formulated on high refined solvent mineral and synthetic base stocks in combination with an unique additive package to reach the following properties.

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- Excellent cold start properties.
- High anti-foam, anti-wear and anti-corrosion properties.
- Suitable for Wet Brakes.

KYOTO JAPAN MULTI TRACTOR 15W-40

AGRICULTURAL OIL

**Kyoto Japan Multi Tractor 15W-40** is a high quality universal mineral based so called "Super Tractor Oil Universal" (STOU) developed for use in tractors, combines, harvesters and off the road equipment with or without turbocharger diesel engines. Super Tractor Oil Universal is also designed to lubricate the transmission, power take-off, final drive, hydraulic system and oil immersed "wet brakes". This product **cannot** been used in diesel engines equipped with a Diesel Particle Filter (DPF).

Exceeds the following performance criteria: API CF-4/CE/SF, MB 227.1, ACEA E3, JD J20C/D, Ford M2C86B/C, Ford M2C 134D, Case MS 1204/6/7/9, MF M 1135/1139, MF M 1143/1145, Cat TO-2, API GL-4, Allison C-4, Eaton M-2950S, Eaton I-280-S, Danfoss  
Homologated Product conforming to standards

Product Code: **KJL1453**

**Kyoto Japan Multi Tractor 15W-40** is formulated on high refined solvent mineral base stock in combination with an unique additive package to reach the following properties.

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- Excellent cold start properties.
- High anti-foam, anti-wear and anti-corrosion properties.
- Suitable for Wet Brakes.

KYOTO JAPAN UNIVERSAL TRACTOR 80W

AGRICULTURAL OIL

**Kyoto Japan Universal Tractor 80W** is a high performance fluids for use in transmissions, hydraulic systems, oil immersed brakes of tractors and off-road equipment. These fluids are specially designed for use where a common lubricant reservoir serves transmissions, final drives and hydraulic systems and to optimize the performance of agricultural and commercial tractors. **Kyoto Japan Universal Tractor 80W** is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

Exceeds the following performance criteria: API GL-4, NH Mat 3525/3526, JD J20C, Volvo WB 101, ZF TE-ML 03E/05E, MF 1135/1143/1145 | Homologated Product conforming to standards

Product Code: **KJL1454**

- Enhanced frictional properties optimize clutch performance and ensure noise free operation of wet brakes
- High viscosity index coupled with high shear stability provides consistent performance
- Excellent low temperature fluidity provides good response and effective lubrication at low ambient temperatures
- Robust anti-wear and extreme pressure properties control wear, extend equipment life and reduce maintenance costs
- Multipurpose capability reduces inventory and prevents accidental contamination and misapplication

KYOTO JAPAN UNIVERSAL TRACTOR 85W

AGRICULTURAL OIL

**Kyoto Japan Universal Tractor 85W** is a high quality universal mineral so called "Universal Tractor Transmission Oil" (UTTO) developed is suitable for modern high performance agriculture application require a single lubricant for transmission, differential, power take-off, hydraulic system and oil "wet" brakes. This product **cannot** be used as lubricant for the engine.

Exceeds the following performance criteria: API GL-4, JD J20C, Ford M2C 134D, MF M 1135/1143/1145, Case NH 3525/3526, ZF TE-ML 03E/05E | Homologated Product conforming to standards

Product Code: **KJL1455**

**Kyoto Japan Universal Tractor 85W** is formulated on high refined solvent mineral base stocks in combination with an unique additive package to reach the following properties.

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- Excellent cold start properties.
- High anti-foam, anti-wear and anti-corrosion properties.
- Suitable for Wet Brakes.

KYOTO JAPAN MULTI TRACTOR 5W-30

AGRICULTURAL OIL

**Kyoto Japan Multi Tractor 5W-30** is a high quality universal mineral based so called "Super Tractor Oil Universal" (STOU) developed for use in tractors, combines, harvesters and off the road equipment with or without turbocharger diesel engines. Super Tractor Oil Universal is also designed to lubricate the transmission, power take-off, final drive, hydraulic system and oil immersed "wet brakes". This product **cannot** been used in diesel engines equipped with a Diesel Particle Filter (DPF).

Exceeds the following performance criteria: API CG-4/CF-4/CE/SF, MB 227.1, ACEA E3, JD J20C/D, Ford M2C86B/C, Ford M2C 134D, Case MS 1204/6/7/9, MF M 1135/1139, MF M 1143/1145, Cat TO-2, API GL-4, Allison C-4, Eaton M-2950S, Eaton I-280-S, Danfoss  
Homologated Product conforming to standards

Product Code: **KJL1456**

**Kyoto Japan Multi Tractor 5W-30** is formulated on high refined solvent mineral base stock in combination with an unique additive package to reach the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- Excellent cold start properties.
- High anti-foam, anti-wear and anti-corrosion properties.
- Suitable for Wet Brakes.



Chainsaw/Industrial Gear Oils

KYOTO JAPAN POMP 100

VACUUM PUMP OIL

Product Code: **KJL1501**

Kyoto Japan POMP 100 is a premium quality vacuum pump oil special develop to lubricate the gearboxes of vacuum pumps.

Kyoto Japan POMP 100 is based on high quality mineral base oil with a special additive technology to ensure the following properties:

- an excellent protection against wear
- a very good activity against rust and corrosion
- excellent stability against oxidation
- very good deaerating and foam-suppressing properties
- very good demulsification properties
- good compatibility with seals and gaskets made from synthetic material

Exceeds the following performance criteria; DIN 51524 HLPD | Homologated Product conforming to standards

KYOTO JAPAN CHAIN 46

CHAINS AW OIL

Product Code: **KJL1502**

Kyoto Japan Chain 46 is a high quality oil specially developed to lubricate the chain of chain saws .

Kyoto Japan Chain 46 is based on high quality mineral base oil in combination with an unique additive package to ensure the following properties:

- Very good adhesive strength.
- Excellent lubricating properties, helps to prevent premature chain failure
- Extend working life.
- The specially selected additives also inhibit rust.

Kyoto Japan Chain 46 is **NOT** suitable to lubricate the engine.

Homologated Product conforming to standards

KYOTO JAPAN CHAIN 100

CHAINS AW OIL

Product Code: **KJL1503**

Kyoto Japan Chain 100 is a high quality oil specially developed to lubricate the chain of chain saws .

Kyoto Japan Chain 100 is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- Very good adhesive strength.
- Excellent lubricating properties, helps to prevent premature chain failure
- Extend working life.
- The specially selected additives also inhibit rust.

Kyoto Japan Chain 100 is **NOT** suitable to lubricate the engine.

Homologated Product conforming to standards

KYOTO JAPAN CHAIN 150

CHAINS AW OIL

Product Code: **KJL1504**

Kyoto Japan Chain 150 is a high quality oil specially developed to lubricate the chain of chain saws .

Kyoto Japan Chain 150 is based on high quality mineral base oil in combination with an unique additive package to ensure the following properties:

- Very good adhesive strength.
- Excellent lubricating properties, helps to prevent premature chain failure
- Extend working life.
- The specially selected additives also inhibit rust.

Kyoto Japan Chain 150 is **NOT** suitable to lubricate the engine.

Homologated Product conforming to standards

KYOTO JAPAN CHAIN 220

CHAINS AW OIL

Product Code: **KJL1505**

Kyoto Japan Chain 220 is a high quality oil specially developed to lubricate the chain of chain saws .

Kyoto Japan Chain 220 is based on high quality mineral base oil in combination with an unique additive package to ensure the following properties:

- Very good adhesive strength.
- Excellent lubricating properties, helps to prevent premature chain failure
- Extend working life.
- The specially selected additives also inhibit rust.

Kyoto Japan Chain 220 is **NOT** suitable to lubricate the engine.

Homologated Product conforming to standards

KYOTO JAPAN CHAIN 320

CHAINS AW OIL

Product Code: **KJL1506**

Kyoto Japan Chain 320 is a high quality oil specially developed to lubricate the chain of chain saws .

Kyoto Japan Chain 320 is based on high quality mineral base oil in combination with an unique additive package to ensure the following properties:

- Very good adhesive strength.
- Excellent lubricating properties, helps to prevent premature chain failure
- Extend working life.
- The specially selected additives also inhibit rust.

Kyoto Japan Chain 320 is **NOT** suitable to lubricate the engine.

Homologated Product conforming to standards

KYOTO JAPAN CHAIN 460

CHAINS AW OIL

Product Code: **KJL1507**

Kyoto Japan Chain 460 is a high quality oil specially developed to lubricate the chain of chain saws .

Kyoto Japan Chain 460 is based on high quality mineral base oil in combination with an unique additive package to ensure the following properties:

- Very good adhesive strength.
- Excellent lubricating properties, helps to prevent premature chain failure
- Extend working life.
- The specially selected additives also inhibit rust.

Kyoto Japan Chain 460 is **NOT** suitable to lubricate the engine.

Homologated Product conforming to standards



Industrial Gear Oils

KYOTO JAPAN SP 68

INDUSTRIAL GEAR OIL

Kyoto Japan SP 68 is a high performance extreme pressure gear oils developed for lubrication of heavy duty industrial gears working under severe operating conditions.

Kyoto Japan SP 68 is based on high quality mineral base oil in combination with an unique additive package to ensure the following properties:

- Excellent load carrying capability protects gears against scuffing and wear and offers long equipment life and reduced maintenance costs.
- High thermo-oxidative stability helps resist deposit formation, provides enhanced system cleanliness and enables longer service intervals.
- Provides effective rust and corrosion protection to all gearbox components.
- Excellent demulsibility property enables trouble-free operation in conditions encountering water/ moisture.

Exceeds the following performance criteria; DIN 51517-3 CLP, ISO 12925-1 CKC, AGMA 9005 E-02, US Steel 224, David Brown 51.53.101 | Homologated Product conforming to standards

KYOTO JAPAN SP 100

INDUSTRIAL GEAR OIL

Kyoto Japan SP 100 is a high performance extreme pressure gear oils developed for lubrication of heavy duty industrial gears working under severe operating conditions.

Kyoto Japan SP 100 is based on high quality mineral base oil in combination with an unique additive package to ensure the following properties:

- Excellent load carrying capability protects gears against scuffing and wear and offers long equipment life and reduced maintenance costs.
- High thermo-oxidative stability helps resist deposit formation, provides enhanced system cleanliness and enables longer service intervals.
- Provides effective rust and corrosion protection to all gearbox components.
- Excellent demulsibility property enables trouble-free operation in conditions encountering water/ moisture.

Exceeds the following performance criteria; MB-228.51, MAN M 3477, Renault VI RLD-2, Volvo VDS-3, MACK EO-N, Deutz DQC-III-10-LA, MTU Type 3.1, API CI-4, ACEA E6/E7 | Homologated Product conforming to standards

KYOTO JAPAN SP 150

INDUSTRIAL GEAR OIL

Kyoto Japan SP 150 is a high performance extreme pressure gear oils developed for lubrication of heavy duty industrial gears working under severe operating conditions.

Kyoto Japan SP 150 is based on high quality mineral base oil in combination with an unique additive package to ensure the following properties:

- Excellent load carrying capability protects gears against scuffing and wear and offers long equipment life and reduced maintenance costs.
- High thermo-oxidative stability helps resist deposit formation, provides enhanced system cleanliness and enables longer service intervals.
- Provides effective rust and corrosion protection to all gearbox components.
- Excellent demulsibility property enables trouble-free operation in conditions encountering water/ moisture.

Exceeds the following performance criteria; DIN 51517-3 CLP, ISO 12925-1 CKC, AGMA 9005 E-02, US Steel 224, David Brown 51.53.101 | Homologated Product conforming to standards

KYOTO JAPAN SP 220

INDUSTRIAL GEAR OIL

Kyoto Japan SP 220 is a high performance extreme pressure gear oils developed for lubrication of heavy duty industrial gears working under severe operating conditions.

Kyoto Japan SP 220 is based on high quality mineral base oil in combination with an unique additive package to ensure the following properties:

- Excellent load carrying capability protects gears against scuffing and wear and offers long equipment life and reduced maintenance costs.
- High thermo-oxidative stability helps resist deposit formation, provides enhanced system cleanliness and enables longer service intervals.
- Provides effective rust and corrosion protection to all gearbox components.
- Excellent demulsibility property enables trouble-free operation in conditions encountering water/ moisture.

Exceeds the following performance criteria; DIN 51517-3 CLP, ISO 12925-1 CKC, AGMA 9005 E-02, US Steel 224, David Brown 51.53.101 | Homologated Product conforming to standards

Product Code: **KJL1508**

KYOTO JAPAN SP 320

INDUSTRIAL GEAR OIL

Kyoto Japan SP 320 is a high performance extreme pressure gear oils developed for lubrication of heavy duty industrial gears working under severe operating conditions.

Kyoto Japan SP 320 is based on high quality mineral base oil in combination with an unique additive package to ensure the following properties:

- Excellent load carrying capability protects gears against scuffing and wear and offers long equipment life and reduced maintenance costs.
- High thermo-oxidative stability helps resist deposit formation, provides enhanced system cleanliness and enables longer service intervals.
- Provides effective rust and corrosion protection to all gearbox components.
- Excellent demulsibility property enables trouble-free operation in conditions encountering water/ moisture.

Exceeds the following performance criteria; DIN 51517-3 CLP, ISO 12925-1 CKC, AGMA 9005 E-02, US Steel 224, David Brown 51.53.101 | Homologated Product conforming to standards

Product Code: **KJL1512**

KYOTO JAPAN SP 460

INDUSTRIAL GEAR OIL

Kyoto Japan SP 460 is a high performance extreme pressure gear oils developed for lubrication of heavy duty industrial gears working under severe operating conditions.

Kyoto Japan SP 460 is based on high quality mineral base oil in combination with an unique additive package to ensure the following properties:

- Excellent load carrying capability protects gears against scuffing and wear and offers long equipment life and reduced maintenance costs.
- High thermo-oxidative stability helps resist deposit formation, provides enhanced system cleanliness and enables longer service intervals.
- Provides effective rust and corrosion protection to all gearbox components.
- Excellent demulsibility property enables trouble-free operation in conditions encountering water/ moisture.

Exceeds the following performance criteria; DIN 51517-3 CLP, ISO 12925-1 CKC, AGMA 9005 E-02, US Steel 224, David Brown 51.53.101 | Homologated Product conforming to standards

Product Code: **KJL1513**

KYOTO JAPAN SP 680

INDUSTRIAL GEAR OIL

Kyoto Japan SP 680 is a high performance extreme pressure gear oils developed for lubrication of heavy duty industrial gears working under severe operating conditions.

Kyoto Japan SP 680 is based on high quality mineral base oil in combination with an unique additive package to ensure the following properties:

- Excellent load carrying capability protects gears against scuffing and wear and offers long equipment life and reduced maintenance costs.
- High thermo-oxidative stability helps resist deposit formation, provides enhanced system cleanliness and enables longer service intervals.
- Provides effective rust and corrosion protection to all gearbox components.
- Excellent demulsibility property enables trouble-free operation in conditions encountering water/ moisture.

Exceeds the following performance criteria; DIN 51517-3 CLP, ISO 12925-1 CKC, AGMA 9005 E-02, US Steel 224, David Brown 51.53.101 Homologated Product conforming to standards

Product Code: **KJL1514**

KYOTO JAPAN SLIDEWAY 68

SLIDEWAY OIL

Kyoto Japan Slideway 68 is a universal high performance machine tool lubricant specially designed for the lubrication of tableway. Kyoto Japan Slideway 68 meets also the requirements of gear boxes, spindles and hydraulic systems of different machine tools.

Kyoto Japan Slideway 68 is based on high quality mineral virgin base oil in combination with a special additive to ensure the following properties.

- Excellent stick-slip properties.
- Very good antiwear, antirust and antifoam properties.
- High oxidation stability.
- Good resistance to high pressure and loads.
- Excellent demulsification properties.
- Good filterability.
- Strong adhesion to (vertical) slides

Exceeds the following performance criteria; DIN 51524, DIN 51517, FZG 12, US Steel 224 | Homologated Product conforming to standards

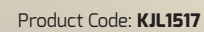
Product Code: **KJL1515**



Product Code: **KJL1516**

- Excellent stick-slip properties.
- Very good antiwear, antirust and antifoam properties.
- High oxidation stability.
- Good resistance to high pressure and loads.
- Excellent demulsification properties.
- Good filterability.
- Strong adhesion to (vertical) slides

Exceeds the following performance criteria: ISO 6743-13: L-GA/GB, DIN 51502: CGLP, GM: LS-2, Cincinnatti Machine: P-50 (ISO VG 220) Heavy Way Oil, Cincinnatti Machine: P-47 (ISO VG 68) Heavy-Medium Way Oil | Homologated Product conforming to standards



- Excellent stick-slip properties.
- Very good antiwear, antirust and antifoam properties.
- High oxidation stability.
- Good resistance to high pressure and loads.
- Excellent demulsification properties.
- Good filterability.
- Strong adhesion to (vertical) slides

Exceeds the following performance criteria; API CF/CF-2; ZF TE-ML 03 | Homologated Product conforming to standards



- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against Bore Polishing.
- Extended drain intervals possible.

Exceeds the following performance criteria: API CF/CF-2; ZF TE-ML 03 | Homologated Product conforming to standards



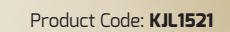
- Excellent thermal-, nitration-, and oxidation stability.
- Reducing of combustion chamber deposits.
- Minimize ring scuffing.
- Protect against corrosive wear.
- Improving engine performance.

Exceeds the following performance criteria: API CF, Waukesha Cogeneration, Dresser Rand Category III, Jenbacher Homologated Product conforming to standards

Product Code: **KJL1520**

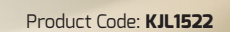
- Exceptional resistance to thermal cracking and decomposition enables this oil to perform well up to a maximum bulk oil temperature of 315°C with minimal interference with heat transfer capability.
- High specific heat and thermal conductivity of this oil provides more rapid heat dissipation.
- Superior low temperature fluidity ensures quick circulation at start-up and reduced risk of local over-heating.
- Non corrosive to aluminum, steel, copper, brass or bronze.
- Non-toxicity of this oil provides easy disposal of used oil.

Homologated Product conforming to standards



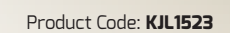
- Superior detergency ensures piston and crankcase cleanliness.
- Improved anti-wear property minimizes engine wear.
- Excellent thermo-oxidative stability.
- Protection of engine parts against corrosive combustion products.
- Better demulsibility characteristics ensure water.
- Special rust & corrosion inhibitors prevent corrosion of engine parts in severe salt water environment.
- Excellent dispersancy and detergency properties.
- Good protection against "Bore Polishing" and lacquering

Exceeds the following performance criteria; API CF | Homologated Product conforming to standards



- Superior detergency ensures piston and crankcase cleanliness.
- Improved anti-wear property minimizes engine wear.
- Excellent thermo-oxidative stability.
- Protection of engine parts against corrosive combustion products.
- Better demulsibility characteristics ensure water.
- Special rust & corrosion inhibitors prevent corrosion of engine parts in severe salt water environment.
- Excellent dispersancy and detergency properties.
- Good protection against "Bore Polishing" and lacquering.

Exceeds the following performance criteria: API CF | Homologated Product conforming to standards



- Superior detergency ensures piston and crankcase cleanliness.
- Improved anti-wear property minimizes engine wear.
- Excellent thermo-oxidative stability.
- Protection of engine parts against corrosive combustion products.
- Better demulsibility characteristics ensure water.
- Special rust & corrosion inhibitors prevent corrosion of engine parts in severe salt water environment.
- Excellent dispersancy and detergency properties.
- Good protection against "Bore Polishing" and lacquering.

Exceeds the following performance criteria; API CF | Homologated Product conforming to standards





Industrial Gear Oils

KYOTO JAPAN MARINE OIL SG 430

MINERAL MOTOR OIL

**Kyoto Japan Marine OIL SG 430** is a premium quality multifunctional trunk piston engine oil designed for use in the latest highly rated medium speed diesel engines operating on residual fuels with a max. sulphur content of 3.5% in marine, power generation and industrial applications.

**Kyoto Japan Marine OIL SG 430** is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- Exceptional detergency reduces build-up of soot & black sludge, improves tolerance for heavy fuel contaminants and keeps the engine clean
- Acidic by-products are effectively neutralized and the engine is protected from corrosive wear by the unique formulation providing the reserve alkalinity
- Superior demulsibility characteristics ensure water.
- Robust antiwear technology provides excellent piston & linear wear control and good gear performance.
- Excellent thermo-oxidative stability retards oil degradation facilitating extended oil life

Product Code: **KJL1524**

Homologated Product conforming to standards

KYOTO JAPAN MARINE OIL SG 440

MINERAL MOTOR OIL

**Kyoto Japan Marine OIL SG 440** is a premium quality multifunctional trunk piston engine oil designed for use in the latest highly rated medium speed diesel engines operating on residual fuels with a max. sulphur content of 3.5% in marine, power generation and industrial applications.

**Kyoto Japan Marine OIL SG 440** is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- detergency reduces build-up of soot & black sludge, improves tolerance for heavy fuel contaminants and keeps the engine clean
- Acidic by-products are effectively neutralized and the engine is protected from corrosive wear by the unique formulation providing the reserve alkalinity
- Superior demulsibility characteristics ensure water.
- Robust antiwear technology provides excellent piston & linear wear control and good gear performance.
- Excellent thermo-oxidative stability retards oil degradation facilitating extended oil life

Product Code: **KJL1525**

Homologated Product conforming to standards

KYOTO JAPAN MARINE OIL 307

MINERAL MOTOR OIL

**Kyoto Japan Marine OIL 307** is a premium quality system oil designed for modern highly rated low speed crosshead marine engines including those employing system oil for piston cooling.

**Kyoto Japan Marine OIL 307** is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- Excellent thermo-oxidative stability.
- Improved detergency keeps crankcase clean.
- Superior water separation characteristics result in trouble free operations.
- Special rust inhibitors protect critical bearing surfaces from rusting.
- Adequate TBN ensures protection against corrosive combustion products.
- Good load bearing capabilities reduce wear in heavily loaded bearings.

Product Code: **KJL1526**

Homologated Product conforming to standards

KYOTO JAPAN MARINE OIL 407

MINERAL MOTOR OIL

**Kyoto Japan Marine OIL 407** is a premium quality trunk piston engine oil designed for use in the modern medium speed diesel engines operating on distillate fuels.

**Kyoto Japan Marine OIL 407** is based on high quality virgin mineral base oil in combination with an unique additive package to ensure the following properties:

- Superior detergency ensures piston and crankcase cleanliness.
- Improved anti-wear property minimizes engine wear.
- Excellent thermo-oxidative stability.
- Protection of engine parts against corrosive combustion products.
- Better demulsibility characteristics ensure water.
- Special rust & corrosion inhibitors prevent corrosion of engine parts in severe salt water environment.
- Excellent dispersancy and detergency properties.
- Good protection against "Bore Polishing" and lacquering.

Product Code: **KJL1527**

Exceeds the following performance criteria: API CF | Homologated Product conforming to standards

Industrial Gear Oils

KYOTO JAPAN MARINE OIL DDC 40

MINERAL MOTOR OIL

**Kyoto Japan Marine OIL DDC 40** is premium quality monograde engine oil developed for high output, high speed two-cycle diesel engines. This oil is designed to exceed the performance requirements of API CF/CF-2 and is particularly recommended for Detroit Diesel two-cycle diesel engines in marine fleets operating on low sulphur fuels.

**Kyoto Japan Marine OIL DDC 40** is based on high quality mineral base stocks in combination with a special selected additive package to achieve to following properties.

- Excellent detergency reduces deposits, sludge build-up & varnish.
- Extend engine life & durability
- Superior thermo-oxidative stability.
- Improved antiwear technology protects against scuffing & wear of cylinder liner and walls
- Special rust inhibitors retard rust & corrosion formation in critical engine parts
- Adequate TBN levels ensure protection against corrosive combustion products

Product Code: **KJL1528**

Homologated Product conforming to standards

KYOTO JAPAN COMPRESSOR 32

COMPRESSOR OIL

**Kyoto Japan Compressor 32** is a high performance ashless air compressor oil specially designed to meet the stringent requirements of major compressor manufacturers. Kyoto Japan Compressor 32 is suited for reciprocating air-, rotary screw and vane compressors. Also used in circulating oil systems, plain and rolling element bearings, lightly loaded Gear sets, etc

**Kyoto Japan Compressor 32** is based on high quality mineral base oil in combination with an unique additive package to ensure the following properties:

- Excellent thermo-oxidative
- Improved equipment reliability, availability and efficiency.
- Low ash and carbon forming tendency ensures improved valve performance
- Reduced potential for fires and explosions in the discharge systems.
- Exceptional wear and rust.
- Superior demulsibility reduces oil carryover and corrosion, maintains lubrication efficiency.
- Reduces sludge formation and improves life of coalesces

Exceeds the following performance criteria: ISO 6743A; L-DAA/DAB/DAG/DAH; DIN 51506, VBL/VCL/VDL

Homologated Product conforming to standards

KYOTO JAPAN COMPRESSOR 46

COMPRESSOR OIL

**Kyoto Japan Compressor 46** is a high performance ashless air compressor oil specially designed to meet the stringent requirements of major compressor manufacturers. Kyoto Japan Compressor 46 is suited for reciprocating air-, rotary screw and vane compressors. Also used in circulating oil systems, plain and rolling element bearings, lightly loaded Gear sets, etc

**Kyoto Japan Compressor 46** is based on high quality mineral base oil in combination with an unique additive package to ensure the following properties:

- Excellent thermo-oxidative
- Improved equipment reliability, availability and efficiency.
- Low ash and carbon forming tendency ensures improved valve performance
- Reduced potential for fires and explosions in the discharge systems.
- Exceptional wear and rust.
- Superior demulsibility reduces oil carryover and corrosion, maintains lubrication efficiency.
- Reduces sludge formation and improves life of coalesces

Exceeds the following performance criteria: ISO 6743A; L-DAA/DAB/DAG/DAH; DIN 51506, VBL/VCL/VDL

Homologated Product conforming to standards

KYOTO JAPAN COMPRESSOR 68

COMPRESSOR OIL

**Kyoto Japan Compressor 68** is a high performance ashless air compressor oil specially designed to meet the stringent requirements of major compressor manufacturers. Kyoto Japan Compressor 68 is suited for reciprocating air-, rotary screw and vane compressors. Also used in circulating oil systems, plain and rolling element bearings, lightly loaded Gear sets, etc

**Kyoto Japan Compressor 68** is based on high quality mineral base oil in combination with an unique additive package to ensure the following properties:

- Excellent thermo-oxidative
- Improved equipment reliability, availability and efficiency.
- Low ash and carbon forming tendency ensures improved valve performance
- Reduced potential for fires and explosions in the discharge systems.
- Exceptional wear and rust.
- Superior demulsibility reduces oil carryover and corrosion, maintains lubrication efficiency.
- Reduces sludge formation and improves life of coalesces

Exceeds the following performance criteria: ISO 6743A; L-DAA/DAB/DAG/DAH; DIN 51506, VBL/VCL/VDL

Homologated Product conforming to standards



Compressor / Turbine Oils

KYOTO JAPAN COMPRESSOR 100

COMPRESSOR OIL

**Kyoto Japan Compressor 100** is a high performance ashless air compressor oil specially designed to meet the stringent requirements of major compressor manufacturers. Kyoto Japan Compressor 100 is suited for reciprocating air-, rotary screw and vane compressors. Also used in circulating oil systems, plain and rolling element bearings, lightly loaded Gear sets, etc

**Kyoto Japan Compressor 100** is based on high quality mineral base oil in combination with an unique additive package to ensure the following properties:

Exceeds the following performance criteria; ISO 6743A; L-DAA/DAB/DAG/DAH; DIN 51506, VBL/VCL/VDL

Homologated Product conforming to standards

- Excellent thermo-oxidative
- Improved equipment reliability, availability and efficiency.
- Low ash and carbon forming tendency ensures improved valve performance
- Reduced potential for fires and explosions in the discharge systems.
- Exceptional wear and rust.
- Superior demulsibility reduces oil carryover and corrosion, maintains lubrication efficiency.
- Reduces sludge formation and improves life of coalesces

Product Code: **KJL1532**

KYOTO JAPAN COMPRESSOR 150

COMPRESSOR OIL

**Kyoto Japan Compressor 150** is a high performance ashless air compressor oil specially designed to meet the stringent requirements of major compressor manufacturers. Kyoto Japan Compressor 150 is suited for reciprocating air-, rotary screw and vane compressors. Also used in circulating oil systems, plain and rolling element bearings, lightly loaded Gear sets, etc

**Kyoto Japan Compressor 150** is based on high quality mineral base oil in combination with an unique additive package to ensure the following properties:

Exceeds the following performance criteria; ISO 6743A; L-DAA/DAB/DAG/DAH; DIN 51506, VBL/VCL/VDL

Homologated Product conforming to standards

- Excellent thermo-oxidative
- Improved equipment reliability, availability and efficiency.
- Low ash and carbon forming tendency ensures improved valve performance
- Reduced potential for fires and explosions in the discharge systems.
- Exceptional wear and rust.
- Superior demulsibility reduces oil carryover and corrosion, maintains lubrication efficiency.
- Reduces sludge formation and improves life of coalesces

Product Code: **KJL1533**

KYOTO JAPAN TURBINE OIL 32

SYNTHETIC INDUSTRIAL OIL

**Kyoto Japan Turbine Oil 32** is a supreme performance turbine oil specially designed for use in geared and non-geared steam turbines, gas turbines and combined cycle gas turbines (CCGT) including the gas turbines operating at high temperatures.

**Kyoto Japan Turbine Oil 32** is based on high quality base oil in combination with an unique additive package to ensure the following properties.

Exceeds the following performance criteria: ASTM D4304 Type II, DIN 51515 TD/TG, ISO 8086 TSE/TGE/TSA/TGA, ALSTOM HTGD 90117 V, GEK 32568E/32568F/46506D/28143A/107395A/101941A, Solar ES 9-224, Class II, Siemens TLV 9013 04, ALSTOM HTGD 90117W

Homologated Product conforming to standards

- Outstanding thermal and oxidation stability. • Prevents sludge formation, controls deposits and minimizes oil degradation.
- Superior anti-wear property and load carrying capability provide excellent protection for geared turbines • Excellent water separation capability resists formation of emulsion and leads to easy removal of excess water from the lubrication system
- Effective rust and corrosion inhibitors provide long term protection to critical system components • Good air release properties and foam control.

Product Code: **KJL1534**

KYOTO JAPAN TURBINE OIL 46

SYNTHETIC INDUSTRIAL OIL

**Kyoto Japan Turbine Oil 46** is a supreme performance turbine oil specially designed for use in geared and non-geared steam turbines, gas turbines and combined cycle gas turbines (CCGT) including the gas turbines operating at high temperatures.

**Kyoto Japan Turbine Oil 46** is based on high quality base oil in combination with an unique additive package to ensure the following properties:

Exceeds the following performance criteria: ASTM D4304 Type II, DIN 51515 TD/TG, ISO 8086 TSE/TGE/TSA/TGA, ALSTOM HTGD 90117 V GEK 32568E/32568F/46506D/28143A/107395A/101941A, Solar ES 9-224, Class II, Siemens TLV 9013 04, ALSTOM HTGD 90117W

Homologated Product conforming to standards

- Outstanding thermal and oxidation stability. • Prevents sludge formation, controls deposits and minimizes oil degradation.
- Superior anti-wear property and load carrying capability provide excellent protection for geared turbines • Excellent water separation capability resists formation of emulsion and leads to easy removal of excess water from the lubrication system
- Effective rust and corrosion inhibitors provide long term protection to critical system components • Good air release properties and foam control.

Product Code: **KJL1535**

Turbine / Hydraulic Oils

KYOTO JAPAN TURBINE OIL 68

SYNTHETIC INDUSTRIAL OIL

**Kyoto Japan Turbine Oil 68** is a supreme performance turbine oil specially designed for use in geared and non-geared steam turbines, gas turbines and combined cycle gas turbines (CCGT) including the gas turbines operating at high temperatures.

**Kyoto Japan Turbine Oil 68** is based on high quality base oil in combination with an unique additive package to ensure the following properties:

Exceeds the following performance criteria; ASTM D4304 Type II, DIN 51515 TD/TG, ISO 8086 TSE/TGE/TSA/TGA, ALSTOM HTGD 90117 V GEK 32568E/32568F/46506D/28143A/107395A/101941A, Solar ES 9-224, Class II, Siemens TLV 9013 04, ALSTOM HTGD 90117W

Homologated Product conforming to standards

- Outstanding thermal and oxidation stability. • Prevents sludge formation, controls deposits and minimizes oil degradation.
- Superior anti-wear property and load carrying capability provide excellent protection for geared turbines • Excellent water separation capability resists formation of emulsion and leads to easy removal of excess water from the lubrication system
- Effective rust and corrosion inhibitors provide long term protection to critical system components • Good air release properties and foam control.

Product Code: **KJL1536**

KYOTO JAPAN RUSTILO 30

RUST PREVENTIVE OIL

**Kyoto Japan Rustilo 30** is a high quality lubricant which gives the opportunity to protect the internal parts of motors and technical installations for a long period. Kyoto Japan Rustilo 30 is ideal for protecting internal combustion engines which are to be laid up or temporarily taken out of service and are recommended for use in engines which are operated intermittently – fire engines, standby generators, snowploughs, etc.

**Kyoto Japan Rustilo 30** is formulated with high refined solvent mineral base stock in combination with a special additive package to reach the following properties.

- Extreme effective anti-rust agent.
- Good surface wetting agent.
- High oxidation stability.
- Long term storage, exposed parts through long period.
- Good moisture and acid contamination of the oil itself.

Homologated Product conforming to standards

Product Code: **KJL1537**

KYOTO JAPAN TICMA HM 10 / HM 15

HYDRAULIC OIL

**Kyoto Japan TICMA HM 10 / HM 15** is an universal mineral high grade EP oil for use in heavy duty hydraulic systems and light duty gearboxes, bearings and general lubrication.

**Not** suitable for turbine application.

**Kyoto Japan TICMA HM 10 / HM 15** is formulated with high quality refined mineral base stocks in combination with a special EP-additive technology to achieve the following performance.

- Excellent stability against oxidation.
- Very good protection against wear.
- Good water demulsibility.
- Very good foaming properties.
- Very effective to rust and corrosion.

Exceeds the following performance criteria: DIN 51524/2 HLP; ISO 11158 HM ; AFNOR NFE 48-603 HM;Denison HF-0/HF-1/HF-2; Cincinnati P-68/P-70/P-69; Eaton (Vickers): M-2950-S/I-286-2 | Homologated Product conforming to standards

KYOTO JAPAN TICMA HM 22

HYDRAULIC OIL

**Kyoto Japan TICMA HM 22** is an universal mineral high grade EP oil for use in heavy duty hydraulic systems and light duty gearboxes, bearings and general lubrication.

**Not** suitable for turbine application.

**Kyoto Japan TICMA HM 22** is formulated with high quality refined mineral base stocks in combination with a special EP-additive technology to achieve the following performance:

- Excellent stability against oxidation.
- Very good protection against wear.
- Good water demulsibility.
- Very good foaming properties.
- Very effective to rust and corrosion.

Exceeds the following performance criteria: DIN 51524/2 HLP; ISO 11158 HM ; AFNOR NFE 48-603 HM;Denison HF-0/HF-1/HF-2; Cincinnati P-68/P-70/P-69; Eaton (Vickers): M-2950-S/I-286-2 | Homologated Product conforming to standards

Product Code: **KJL1573**



### Industrial Gear Oils

#### KYOTO JAPAN TICMA HM 32

HYDRAULIC OIL

Product Code: **KJL1574**

**Kyoto Japan TICMA HM 32** is an universal mineral high grade EP oil for use in heavy duty hydraulic systems and light duty gearboxes, bearings and general lubrication.  
**Not** suitable for turbine application.

**Kyoto Japan TICMA HM 32** is formulated with high quality refined mineral base stocks in combination with a special EP-additive technology to achieve the following performance:

- Excellent stability against oxidation.
- Very good protection against wear.
- Good water demulsibility.
- Very good foaming properties.
- Very effective to rust and corrosion.

Exceeds the following performance criteria: DIN 51524/2 HLP; ISO 11158 HM ; AFNOR NFE 48-603 HM;Denison HF-O/HF-1/HF-2; Cincinnati P-68/P-70/P-69; Eaton (Vickers): M-2950-S/I-286-2 | Homologated Product conforming to standards

#### KYOTO JAPAN TICMA HM 46

HYDRAULIC OIL

Product Code: **KJL1575**

**Kyoto Japan TICMA HM 46** is an universal mineral high grade EP oil for use in heavy duty hydraulic systems and light duty gearboxes, bearings and general lubrication.  
**Not** suitable for turbine application.

**Kyoto Japan TICMA HM 46** is formulated with high quality refined mineral base stocks in combination with a special EP-additive technology to achieve the following performance:

- Excellent stability against oxidation.
- Very good protection against wear.
- Good water demulsibility.
- Very good foaming properties.
- Very effective to rust and corrosion.

Exceeds the following performance criteria: DIN 51524/2 HLP; ISO 11158 HM ; AFNOR NFE 48-603 HM;Denison HF-O/HF-1/HF-2; Cincinnati P-68/P-70/P-69; Eaton (Vickers): M-2950-S/I-286-2 | Homologated Product conforming to standards

#### KYOTO JAPAN TICMA HM 68

HYDRAULIC OIL

Product Code: **KJL1576**

**Kyoto Japan TICMA HM 68** is an universal mineral high grade EP oil for use in heavy duty hydraulic systems and light duty gearboxes, bearings and general lubrication.  
**Not** suitable for turbine application.

**Kyoto Japan TICMA HM 68** is formulated with high quality refined mineral base stocks in combination with a special EP-additive technology to achieve the following performance:

- Excellent stability against oxidation.
- Very good protection against wear.
- Good water demulsibility.
- Very good foaming properties.
- Very effective to rust and corrosion.

Homologated Product conforming to standards

#### KYOTO JAPAN TICMA HM 100

HYDRAULIC OIL

Product Code: **KJL1577**

**Kyoto Japan TICMA HM 100** is an universal mineral high grade EP oil for use in heavy duty hydraulic systems and light duty gearboxes, bearings and general lubrication.  
**Not** suitable for turbine application.

**Kyoto Japan TICMA HM 100** is formulated with high quality refined mineral base stocks in combination with a special EP-additive technology to achieve the following performance:

- Excellent stability against oxidation.
- Very good protection against wear.
- Good water demulsibility.
- Very good foaming properties.
- Very effective to rust and corrosion.

Exceeds the following performance criteria: DIN 51524/2 HLP; ISO 11158 HM ; AFNOR NFE 48-603 HM;Denison HF-O/HF-1/HF-2; Cincinnati P-68/P-70/P-69; Eaton (Vickers): M-2950-S/I-286-2 | Homologated Product conforming to standards

### Industrial Gear Oils

#### KYOTO JAPAN TICMA HV 22

HYDRAULIC OIL

Product Code: **KJL1578**

**Kyoto Japan TICMA HV 22** is an universal HVI mineral high grade EP oil for use in heavy duty hydraulic systems and light duty gearboxes, bearings and general lubrication.  
**Not** suitable for turbine application.

**Kyoto Japan TICMA HV 22** is formulated with high quality refined mineral base stocks in combination with a special EP-additive technology to achieve the following performance:

- Excellent stability against oxidation.
- High Viscosity Index
- Very good protection against wear.
- Good water demulsibility.
- Very good foaming properties.
- Very effective to rust and corrosion.
- Very good thermal stability.

Exceeds the following performance criteria: AFNOR NFE 48-603; ISO 11158 HV; DIN 51524/3 HVLP; Denison HF-O; Cincinnati P-68; Sauer Danfoss 520L0463; Eaton Vickers M-2950-S/I-386 | Homologated Product conforming to standards

#### KYOTO JAPAN TICMA HV 32

HYDRAULIC OIL

Product Code: **KJL1579**

**Kyoto Japan TICMA HV 32** is an universal HVI mineral high grade EP oil for use in heavy duty hydraulic systems and light duty gearboxes, bearings and general lubrication.  
**Not** suitable for turbine application.

**Kyoto Japan TICMA HV 32** is formulated with high quality refined mineral base stocks in combination with a special EP-additive technology to achieve the following performance:

- Excellent stability against oxidation.
- High Viscosity Index
- Very good protection against wear.
- Good water demulsibility.
- Very good foaming properties.
- Very effective to rust and corrosion.
- Very good thermal stability.

Exceeds the following performance criteria: DIN 51524/3 HVLP; ISO 11158 HV; AFNOR NFE 48-603 HV Denison HF-O/HF-1/HF-2; Cincinnati P-68; Eaton (Vickers): M-2950-S/I-286-5 | Homologated Product conforming to standards

#### KYOTO JAPAN TICMA HV 46

HYDRAULIC OIL

Product Code: **KJL1580**

**Kyoto Japan TICMA HV 46** is an universal HVI mineral high grade EP oil for use in heavy duty hydraulic systems and light duty gearboxes, bearings and general lubrication.  
**Not** suitable for turbine application.

**Kyoto Japan TICMA HV 46** is formulated with high quality refined mineral base stocks in combination with a special EP-additive technology to achieve the following performance:

- Excellent stability against oxidation.
- High Viscosity Index
- Very good protection against wear.
- Good water demulsibility.
- Very good foaming properties.
- Very effective to rust and corrosion.
- Very good thermal stability.

Exceeds the following performance criteria: DIN 51524/3 HVLP; ISO 11158 HV; AFNOR NFE 48-603 HV Denison HF-O/HF-1/HF-2; Cincinnati P-70; Eaton (Vickers): M-2950-S/ I-286-5; Hitachi | Homologated Product conforming to standards

#### KYOTO JAPAN TICMA HV 68

HYDRAULIC OIL

Product Code: **KJL1581**

**Kyoto Japan TICMA HV 68** is an universal HVI mineral high grade EP oil for use in heavy duty hydraulic systems and light duty gearboxes, bearings and general lubrication.  
**Not** suitable for turbine application.

**Kyoto Japan TICMA HV 68** is formulated with high quality refined mineral base stocks in combination with a special EP-additive technology to achieve the following performance:

- Excellent stability against oxidation.
- High Viscosity Index
- Very good protection against wear.
- Good water demulsibility.
- Very good foaming properties.
- Very effective to rust and corrosion.
- Very good thermal stability.

Exceeds the following performance criteria: DIN 51524/3 HVLP; ISO 11158 HV; AFNOR NFE 48-603 HV; Denison HF-O/HF-1/HF-2; Cincinnati P-69; Eaton (Vickers): M-2950-S/ I-286-5; Poclain | Homologated Product conforming to standards



## Industrial Gear Oils

### KYOTO JAPAN TICMA HLPD 46 HYDRAULIC OIL

**Kyoto Japan TICMA HLPD 46** is heavy duty detergent type ashless anti-wear hydraulic oil specially developed for machine-tool hydraulic systems, mobile hydraulic systems and clutch drives where minor water contamination can be expected.

**Kyoto Japan TICMA HLPD 46** is formulated with high quality mineral base oil in combination with a special additive package to ensure to following properties.

• Special detergent and dispersant properties ensure smooth

Exceeds the following performance criteria; DIN 51524 / 2 HLPD; Daimler DBL 6721 | Homologated Product conforming to standards

Product Code: **KJL1582**

functioning of hydraulic systems by minimizing formation of sticky residues and deposits. • Excellent water emulsifying ability maintains proper functioning of hydraulic systems even in case of contamination of oil with small amounts of water. • Superior anti-wear properties help reduce wear of mechanical components . • High resistance to oxidation and thermal degradation controls the formation of sludge & varnish and improves oil life. • Superior foam control and rapid air release properties ensure trouble-free operations. • Effective corrosion inhibitors provide corrosion protection in arduous service conditions. • Superior thermo- and oxidation stability.

### KYOTO JAPAN TICMA HLPD 68 HYDRAULIC OIL

**Kyoto Japan TICMA HLPD 68** is heavy duty detergent type ashless anti-wear hydraulic oil specially developed for machine-tool hydraulic systems, mobile hydraulic systems and clutch drives where minor water contamination can be expected.

**Kyoto Japan TICMA HLPD 68** is formulated with high quality mineral base oil in combination with a special additive package to ensure to following properties.

• Special detergent and dispersant properties ensure smooth functioning

Exceeds the following performance criteria; DIN 51524 / 2 HLPD; Daimler DBL 6721 | Homologated Product conforming to standards

Product Code: **KJL1583**

of hydraulic systems by minimizing formation of sticky residues and deposits. • Excellent water emulsifying ability maintains proper functioning of hydraulic systems even in case of contamination of oil with small amounts of water. • Superior anti-wear properties help reduce wear of mechanical components. • High resistance to oxidation and thermal degradation controls the formation of sludge & varnish and improves oil life. • Superior foam control and rapid air release properties ensure trouble-free operations. • Effective corrosion inhibitors provide corrosion protection in arduous service conditions. • Superior thermo- and oxidation stability.

### KYOTO JAPAN TICMA HLPD 100 HYDRAULIC OIL

**Kyoto Japan TICMA HLPD 100** is heavy duty detergent type ashless anti-wear hydraulic oil specially developed for machine-tool hydraulic systems, mobile hydraulic systems and clutch drives where minor water contamination can be expected.

**Kyoto Japan TICMA HLPD 100** is formulated with high quality mineral base oil in combination with a special additive package to ensure to following properties.

• Special detergent and dispersant properties ensure smooth functioning

Exceeds the following performance criteria; DIN 51524 / 2 HLPD; Daimler DBL 6721 | Homologated Product conforming to standards

Product Code: **KJL1584**

of hydraulic systems by minimizing formation of sticky residues and deposits. • Excellent water emulsifying ability maintains proper functioning of hydraulic systems even in case of contamination of oil with small amounts of water. • Superior anti-wear properties help reduce wear of mechanical components. • High resistance to oxidation and thermal degradation controls the formation of sludge & varnish and improves oil life. • Superior foam control and rapid air release properties ensure trouble-free operations. • Effective corrosion inhibitors provide corrosion protection in arduous service conditions. • Superior thermo- and oxidation stability.

### KYOTO JAPAN TICMA HVLPD 46 HYDRAULIC OIL

**Kyoto Japan TICMA HVLPD 46** is heavy duty detergent type ashless anti-wear high viscosity hydraulic oil specially developed for machine-tool hydraulic systems, mobile hydraulic systems and clutch drives where minor water contamination can be expected.

**Kyoto Japan TICMA HVLPD 46** is formulated with high quality mineral base oil in combination with a special additive package to ensure to following properties.

• Special detergent and dispersant properties ensure smooth functioning

Exceeds the following performance criteria;

DIN 51524/3 HVLPD, ISO 6743/4-L-HV, AFNOR NFE 48-603, Daimler DBL 6721 | Homologated Product conforming to standards

Product Code: **KJL1585**

of hydraulic systems by minimizing formation of sticky residues and deposits. • Excellent water emulsifying ability maintains proper functioning of hydraulic systems even in case of contamination of oil with small amounts of water. • Superior anti-wear properties help reduce wear of mechanical components. • High resistance to oxidation and thermal degradation controls the formation of sludge & varnish and improves oil life. • Superior foam control and rapid air release properties ensure trouble-free operations. • Effective corrosion inhibitors provide corrosion protection in arduous service conditions. • Superior thermo- and oxidation stability. • High Viscosity.

## Specifications

### Passenger Car Motor Oils

Code	Product name	Specifications
KJL1101	KYOTO JAPAN WARM-UP 10W-60	API SL/CF, ACEA A3/B4, MB 229.1, VW 502.00/505.00
KJL1102	KYOTO JAPAN PERFECTA SL 10W-40	ACEA A3/B4, API SN/CF, MB 229.3, VW 500.00/502.00, Porsche, BMW LL-01
KJL1103	KYOTO JAPAN PERFECTA GM 5W-30	GM dexos 2, API SN/CF, ACEA A3/B4, C3, MB 229.51, BMW LL-04, VW 502.00/505.00, GM-LL-A025/B025
KJL1104	KYOTO JAPAN PERFECTA DPF 5W-30	VW 504.00/507.00, MB-229.51, BMW LL-04, ACEA A3/B4, C3, Porsche C30
KJL1105	KYOTO JAPAN PERFECTA SRC 5W-40	MB-229.3, VW 502.00/505.00, BMW LL-01, API SN/CF, ACEA A3/B4, GM-LL-B025, PSA B71 2296, Porsche A40, Renault 0700/0710
KJL1106	KYOTO JAPAN PERFECTA S 10W-40	MB-229.1, VW 501.01/505.00, ACEA A3/B4, API SL/CF, RN 0700
KJL1107	KYOTO JAPAN PERFECTA FE 5W-30	ACEA A1/B1, API SL, ILSAC GF-3, Ford M2C-913A/913B
KJL1108	KYOTO JAPAN PERFECTA LE 5W-40	MB-229.51, VW 502.00/505.00 & VW 505.01, BMW LL-04, ACEA A3/B4, C3, API SN/CF, Renault RN 0700/0710
KJL1109	KYOTO JAPAN PERFECTA LE 5W-30	MB-229.51, VW 502.00/505.00 & VW 505.01, BMW LL-04, ACEA A3/B4, C3, API SN/CF, Renault RN 0700/0710
KJL1110	KYOTO JAPAN PERFECTA XL 15W-40	API SF/CD
KJL1111	KYOTO JAPAN PERFECTA S 15W-40	API SF/CD
KJL1112	KYOTO JAPAN PERFECTA FS 5W-30	ACEA A5/B5, ACEA A1/B1, API SN, Renault 0700, Ford W5S M2C913C
KJL1113	KYOTO JAPAN PERFECTA C2 5W-30	API SN/CF, ACEA A1/B1, ACEA A5/B5, ACEA C2, PSA B71 2290, Renault 0700
KJL1114	KYOTO JAPAN PERFECTA XL 20W-50	API SF/CD
KJL1115	KYOTO JAPAN WARM-UP 5W-50	API SM/CF, ACEA A3/B4, MB 229.1, VW 502.00/505.00
KJL1116	KYOTO JAPAN PERFECTA XL 5W-30	ACEA A5/B5, API SL/CF, RN 0700
KJL1117	KYOTO JAPAN PERFECTA S 20W-50	ACEA A3/B3, API SL/CF, VW 505.00, MB 229.1
KJL1119	KYOTO JAPAN PERFECTA S 5W-40	MB 229.1, BMW-LL 98, API SL/CF, VW 501.01/505.00, ACEA A3/B4
KJL1120	KYOTO JAPAN PERFECTA SN 5W-20	API SN/SN-RC, ILSAC GF-5, GM Dexos 1, GM 4718M
KJL1121	KYOTO JAPAN PERFECTA SN 0W-20	API SN/SN-RC, ILSAC GF-5, GM Dexos 1, GM 4718M
KJL1122	KYOTO JAPAN PERFECTA C4 5W-30	ACEA C4, RN 0720, MB 229.51
KJL1123	KYOTO JAPAN PERFECTA LL III 5W-30	ACEA A3/B4, C3, VW 504.00/507.00, MB 229.51, BMW LL-04

### Motorcycle & Small Engine Oils

Code	Product name	Specifications
KJL1201	KYOTO JAPAN MOTO RACING 4T 5W-40	JASO MA2, API SL
KJL1202	KYOTO JAPAN MOTO RACING 4T 10W-40	JASO MA, API SL
KJL1203	KYOTO JAPAN MOTO 10W-50	API SL, JASO MA
KJL1204	KYOTO JAPAN POWER SYNT 2T	JASO FD, ISO-L-EGD, API TC, ISO 6743-15
KJL1205	KYOTO JAPAN POWER SEMI SYNT 2T	API TC, JASO FD, ISO-L-EGD
KJL1206	KYOTO JAPAN POWER 2T	API TC, JASO FB
KJL1207	KYOTO JAPAN OUTBOARD 2T	NMMA TC-W3®

### Automotive Transmission Oils

Code	Product name	Specifications
KJL1301	KYOTO JAPAN FULLGEAR EP 80W-90	API GL-4, MIL-L-2105
KJL1302	KYOTO JAPAN FULLGEAR MZ 80W	API GL-4, MIL-L-2105, MB 235.5, MAN 341 Z2, ZF TE-ML 02B/17A
KJL1303	KYOTO JAPAN FULLGEAR MP 80W-90	API GL-5, MIL-L-2105D, MAN 342 M1/M2, ZF TE-ML 05A, 7A, 16B, 16C, 16D, 17B, 19B, 21A
KJL1304	KYOTO JAPAN FULLGEAR LS 80W-90	API GL 5, MIL PRF 2105D, MAN 342 M1/M2, MB 235.0, Volvo 97310, DAF, Renault, Arvin Meritor, ZF TE-ML 05C, 12C, 16E, 21C
KJL1305	KYOTO JAPAN FULLGEAR TX 75W-80	MAN 341 Z4, MAN 341 E3, Iveco, Renault 80032/2, Eaton Europe, API GL-5, Volvo 97305, MB 235.4, ZF TE-ML 01L, 02L, 08, 16K
KJL1306	KYOTO JAPAN FULLGEAR TDL 80W-90	API GL-4/5, MT-1, MAN M 3343, MIL-PRF-2105E, Scania STO 1:0, MB 235.0, ZF TE-ML 02B/05A/07A/12E/16B/16C/16D/17B/19B/21A, SAE J2360, MACK GO-J, MAN 341 E2, Volvo 97310
KJL1307	KYOTO JAPAN FULLGEAR TDL 85W-140	API GL-4/5, MT-1, MAN M 3343, MIL-PRF-2105E, Scania STO 1:0, MB 235.0, ZF TE-ML 02B/05A/07A/12E/16B/16C/16D/17B/19B/21A, SAE J2360, MACK GO-J, MAN 341 E2
KJL1308	KYOTO JAPAN FULLGEAR SYNT 75W-90	API GL-4/5, MT-1, MAN M33435, MIL-PRF-2105E, Scania STO 1:0, MB 235.0, ZF TE-ML 02B/05A/07A/12E/16B/16C/16D/17B/19B/21A, SAE J2360, MACK GO-J, MAN 341 E2
KJL1309	KYOTO JAPAN FULLGEAR SYNT 75W-140	API GL-4/GL-5, API MT-1, MIL-PRF-2105E, SAE J2360, DAF, IVECO, MAN M 33435, MAN 341 E3, MB 235.8, Scania STO 1:0, Arvin Meritor O-76-N, MACK GO-J, ZF TE-ML 02B/05B/07A/12B/16F/17B/19C/21B
KJL1310	KYOTO JAPAN FULLGEAR EP 90	API GL-5, MIL-L-2105
KJL1311	KYOTO JAPAN FULLGEAR LS 85W-140	API GL 5, MIL PRF 2105D, MAN 342 M1/M2, MB 235.0, Volvo 97310, DAF, Renault, Arvin Meritor, ZF TE-ML 05C, 12C, 16E, 21C



Automatic Transmission Fluids

Code	Product name	Specifications
KJL1312	KYOTO JAPAN AUTO ATF DEXRON II	Dexron IID, ZF TE-ML 02F, 03D, 04D, 09, 11B, 14A, 17C
KJL1313	KYOTO JAPAN AUTO ATF DEXRON III	DEXRON IIIF/G/H, Allison C4, CAT TO-2, MAN 339 Z1/Z2, MAN 339 V1/V2, MB 236.10/236.9/236.7/236.5/236.1, Voith 55.6335, Voith 55.6336, Volvo 97341, Mercon, ZF 02F/03D/04D, ZF 11A/11B/14B/16L
KJL1314	KYOTO JAPAN AUTO ATF MULTI VEHICLE	Allison C4, TES 295, LT 71141, LA 23634, ETL -7045E, 8072B, Cat TO-2, Chrysler +3, +4, Ford Mercon, Ford Mercon V, Dexron IIIG/H
KJL1315	KYOTO JAPAN AUTO ATF SUFFIX A	Type A Suffix A
KJL1316	KYOTO JAPAN AUTO ATF D VI	GM Dexron VI, Voith 55.6335.3X (G607)
KJL1317	KYOTO JAPAN FULLGEAR SEMI SYNT 75W-90	API GL-4/GL-5, MIL-L-PRF-2105E, API MT-1, Mack GO-J, MAN 341 Type Z2, MAN 341 Type Z2, MAN 342 Type M2, MB 235.0, Scania STO-1, SAE J2360, Arvin Meritor D-76-N
KJL1318	KYOTO JAPAN AUTO D5G	VW TL 521 82, BMW EU 83 22 2 148 578 , BMW EU 83 22 2 148 579, VW G 052 529

Heavy Duty Engine Oils

Code	Product name	Specifications
KJL1401	KYOTO JAPAN TRUCK UHPD 5W-40	ACEA E4/E7, API CF, MAN M 3277, MB 228.5, MTU Type 3, Renault RXD, Scania LFD 2, ACEA A3/B4
KJL1402	KYOTO JAPAN TRUCK EHPD 10W-40	MB-Approval 228.5, MAN M 3277, Renault RLD-2, Volvo VDS-3, MACK EO-N, MTU Type 3, Scania LDF-2, API CI-4, ACEA E7/E4, Cummins 20077/20078
KJL1403	KYOTO JAPAN TRUCK UHPD 5W-30	MB-228.5, MAN M3277, MTU Type 3, ACEA E7/E4, Mack EO-M, Renault RVI RXD, Cummins 20076/20077/20078, Global DHD-1
KJL1404	KYOTO JAPAN TRUCK UHPD 10W-40	MB-228.5, MAN M 3277, MTU Type 3, ACEA E7/E4, Mack EO-M, Renault RVI RXD, Cummins 20076/20077/20078, Global DHD-1, Scania LDF-3, Volvo VDS-3
KJL1405	KYOTO JAPAN TRUCK SCR 10W-40	MB-228.51, MAN M 3477, MAN M 3271, Volvo VDS-3, MTU Type 3.1, ACEA E6/E7, Deutz DQC-III-05, Renaults RXD, MAN M 3277 CRT
KJL1406	KYOTO JAPAN TRUCK HDX 10W-40	MB-228.3, MAN M 3275, Volvo VDS-3, Renault RLD-2, Mack EO-N, API CI-4, ACEA E7, DDC 93K215, Caterpillar ECF-1a, ECF-2, Global DHD-1, JASO DH-1, Allison C4, MTU Type 2, Mack EO-M+
KJL1407	KYOTO JAPAN TRUCK HDX 15W-40	MB-228.3, MAN M 3275, Volvo VDS-3, Renault RLD-2, Mack EO-N, API CI-4, ACEA E7, DDC 93K215, Caterpillar ECF-1a, ECF-2, Global DHD-1, JASO DH-1, Allison C4, MTU Type 2, Mack EO-M+, Cummins CES 20077/20078, DAF HP-2
KJL1408	KYOTO JAPAN TRUCK HDL 15W-40	MB-228.3, MAN M 3275, API CG-4/CF, ACEA E2 (level), Volvo VDS, MTU Type 2, Mack EO-L
KJL1409	KYOTO JAPAN TRUCK HDL 10W-40	API CH-4/CF, ACEA E2 (level), MB 228.3, MAN M 3275, Volvo VDS-2, MTU Type 2, Mack EO-L, Allison C-4, API SL, ACEA A3/B4, MB 229.1
KJL1410	KYOTO JAPAN TRUCK HDL 20W-50	API CG-4/CF, ACEA E2 (level), MB 228.3, MAN M 3275, Volvo VDS , MTU Type 2, Mack EO-L
KJL1412	KYOTO JAPAN TRUCK SHPD 15W-40	MB-228.31, Volvo VDS-4, MAN M3575, Renault VI RLD-3, Mack EO-O+, ACEA E9/E7, API CJ-4, Cummins CES 20081, Cat ECF-3/2/1a, DCC PGQ5 93K218, Deutz DQC III-05
KJL1413	KYOTO JAPAN TRUCK SHPD 10W-30	MB-228.31, Volvo VDS-4, MAN M3575, Renault VI RLD-3, Mack EO-O+, ACEA E9/E7, API CJ-4, Cummins CES 20081, Cat ECF-3/2/1a, DCC PGQ5 93K218, Deutz DQC III-05
KJL1414	KYOTO JAPAN TRUCK LOW SAPS 5W-30	ACEA E6/E7, API CI-4, MB-228.51, MAN M3477, MAN M 3271, MACK EO-N, Volvo VDS-3, MTU Type 3.1, Cummins CES 20076/20077, Renault RLD-2/RXD/RDG, Deutz DQC-III-5-LA
KJL1415	KYOTO JAPAN TRUCK CF 10	API SF/CF, MTU Type 2, CCMC G2/D1, MIL-L-46152
KJL1416	KYOTO JAPAN TRUCK CF 20W-20	API SF/CF, MTU Type 2, CCMC G2/D1, MIL-L-46152
KJL1417	KYOTO JAPAN TRUCK CF 30	API SF/CF, MTU Type 2, CCMC G2/D1, MIL-L-46152
KJL1418	KYOTO JAPAN TRUCK CF 40	API SF/CF, MTU Type 2, CCMC G2/D1, MIL-L-46152
KJL1419	KYOTO JAPAN TRUCK CF 50	API SF/CF, MTU Type 2, CCMC G2/D1, MIL-L-46152
KJL1420	KYOTO JAPAN TRUCK SLA 10W-40	ACEA E6, MB 228.51, MTU Type 3.1, MAN M3477, Scania Low Ash
KJL1421	KYOTO JAPAN TRUCK HDX 20W-50	API CI-4, MB 228.3, MAN M 3275, Volvo VDS-3, ACEA E7, Renault RLD-2, Mack EO-N, Allison C4, DDC 93K215, Caterpillar ECF-1a, ECF-2, Global DHD-1, JASO DH-1, MTU Type 2, Cummins CES 20077/20078, DAF HP-2, Mack EO-M+
KJL1422	KYOTO JAPAN TRUCK E6 10W-40	MB-228.51, MAN M 3477, Renault VI RLD-2, Volvo VDS-3, MACK EO-N, Deutz DQC-III-10-LA, MTU Type 3.1, API CI-4, ACEA E6/E7
KJL1423	KYOTO JAPAN TRUCK E6 10W-30	MB-228.51, MAN M 3477, Renault VI RLD-2, Volvo VDS-3, MACK EO-N, Deutz DQC-III-10-LA, MTU Type 3.1, API CI-4, ACEA E6/E7
KJL1411	KYOTO JAPAN RAIL ROAD 135	API CF / CF-2; LMOA Generation 5; EMD of General Motors; GE as Generation 4 Long Life; Oils GE Diesel Engines

Agricultural Oils

Code	Product name	Specifications
KJL1451	KYOTO JAPAN MULTI TRACTOR 10W-30	API CG-4/CF-4/CE/SF, MB 227.1, ACEA E3, JD J20C/D, Ford M2C86B/C, Ford M2C 134D, Case M5 1204/6/7/9, MF M 1135/1139, MF M 1143/1145, t TO-2, API GL-4, Allison C-4, Eaton M-2950S, Eaton I-280-S, Danfoss
KJL1452	KYOTO JAPAN MULTI TRACTOR 10W-40	API CG-4/CF-4/CE/SF, MB 228.1, ACEA E3, JD J20C, J20D, J27, Ford M2C86B, 134D, Ford M2C159B, Case M5 1204, 6, 7, 9, MF M 1135/1139/1143/1144/1145, CAT TO-2, API GL-4, Allison C4, ZF TE-ML 06A, 06B, 06C, 07B, NH 82009201, 2, 3, Eaton M-2950S, Eaton I-280-S, Danfoss
KJL1453	KYOTO JAPAN MULTI TRACTOR 15W-40	API CF-4/CE/SF, MB 227.1, ACEA E3, JD J20C/D, Ford M2C86B/C, Ford M2C 134D, Case M5 1204/6/7/9, MF M 1135/1139, MF M 1143/1145, Cat TO-2, API GL-4, Allison C-4, Eaton M-2950S, Eaton I-280-S, Danfoss
KJL1454	KYOTO JAPAN UNIVERSAL TRACTOR 80W	API GL-4, NH Mat 3525/3526, JD J20C, Volvo WB 101, ZF TE-ML 03E/05E, MF 1135/1143/1145
KJL1455	KYOTO JAPAN UNIVERSAL TRACTOR 85W	API GL-4, JD J20C, Ford M2C 134D, MF M 1135/1143/1145, Case NH 3525/3526, ZF TE-ML 03E/05E
KJL1456	KYOTO JAPAN MULTI TRACTOR 5W-30	API CG-4/CF-4/CE/SF, MB 227.1, ACEA E3, JD J20C/D, Ford M2C86B/C, Ford M2C 134D, Case M5 1204/6/7/9, MF M 1135/1139, MF M 1143/1145, Cat TO-2, API GL-4, Allison C-4, Eaton M-2950S, Eaton I-280-S, Danfoss
KJL 1501	KYOTO JAPAN POMP 100	DIN 51524 HLPD

Industrial Oils

Code	Product name	Specifications
KJL1502	KYOTO JAPAN CHAIN 46	
KJL1503	KYOTO JAPAN CHAIN 100	
KJL1504	KYOTO JAPAN CHAIN 150	
KJL1505	KYOTO JAPAN CHAIN 220	
KJL1506	KYOTO JAPAN CHAIN 320	
KJL1507	KYOTO JAPAN CHAIN 460	
KJL 1508	KYOTO JAPAN SP 68	DIN 51517-3 CLP, ISO 12925-1 CKC, AGMA 9005 E-02, US Steel 224, David Brown S1.53.101
KJL 1509	KYOTO JAPAN SP 100	MB-228.51, MAN M 3477, Renault VI RLD-2, Volvo VDS-3, MACK EO-N, Deutz DQC-III-10-LA, MTU Type 3.1, API CI-4, ACEA E6/E7
KJL 1510	KYOTO JAPAN SP 150	DIN 51517-3 CLP, ISO 12925-1 CKC, AGMA 9005 E-02, US Steel 224, David Brown S1.53.101
KJL 1511	KYOTO JAPAN SP 220	DIN 51517-3 CLP, ISO 12925-1 CKC, AGMA 9005 E-02, US Steel 224, David Brown S1.53.101
KJL 1512	KYOTO JAPAN SP 320	DIN 51517-3 CLP, ISO 12925-1 CKC, AGMA 9005 E-02, US Steel 224, David Brown S1.53.101
KJL 1513	KYOTO JAPAN SP 460	DIN 51517-3 CLP, ISO 12925-1 CKC, AGMA 9005 E-02, US Steel 224, David Brown S1.53.101
KJL 1514	KYOTO JAPAN SP 680	DIN 51517-3 CLP, ISO 12925-1 CKC, AGMA 9005 E-02, US Steel 224, David Brown S1.53.101
KJL 1515	KYOTO JAPAN SLIDEWAY 68	DIN 51524, DIN 51517, FZG 12, US Steel 224
KJL 1516	KYOTO JAPAN SLIDEWAY 200	ISO 6743-13: L-GA/GB, DIN 51502; CGLP, GM: L5-2, Cincinnati Machine: P-50 (ISO VG 220) Heavy Way Oil, Cincinnati Machine: P-47 (ISO VG 68) Heavy-Medium Way Oil
KJL 1517	KYOTO JAPAN HT FLUID TO-4 10W	API CF/CF-2; ZF TE-ML 03
KJL 1518	KYOTO JAPAN HT FLUID TO-4 30	API CF/CF-2; ZF TE-ML 03
KJL 1519	KYOTO JAPAN ENGINE LA 40	API CF; Waukesha Cogeneration; Dresser Rand Category III, Jenbacher
KJL 1520	KYOTO JAPAN HEAT TRANSFER 32	
KJL 1521	KYOTO JAPAN MARINE OIL 5G 312	API CF
KJL 1522	KYOTO JAPAN MARINE OIL 5G 412	API CF
KJL 1523	KYOTO JAPAN MARINE MDO 4015	API CF
KJL 1524	KYOTO JAPAN MARINE OIL 5G 430	
KJL 1525	KYOTO JAPAN MARINE OIL 5G 440	
KJL 1526	KYOTO JAPAN MARINE OIL 307	
KJL 1527	KYOTO JAPAN MARINE OIL 407	
KJL 1528	KYOTO JAPAN MARINE OIL DDC 40	
KJL 1529	KYOTO JAPAN COMPRESSOR 32	ISO 6743A; L-DAA/DAB/DAG/DAH; DIN 51506, VBL/VCL/VDL
KJL 1530	KYOTO JAPAN COMPRESSOR 46	ISO 6743A; L-DAA/DAB/DAG/DAH; DIN 51506, VBL/VCL/VDL
KJL 1531	KYOTO JAPAN COMPRESSOR 68	ISO 6743A; L-DAA/DAB/DAG/DAH; DIN 51506, VBL/VCL/VDL
KJL 1532	KYOTO JAPAN COMPRESSOR 100	ISO 6743A; L-DAA/DAB/DAG/DAH; DIN 51506, VBL/VCL/VDL
KJL 1533	KYOTO JAPAN COMPRESSOR 150	ISO 6743A; L-DAA/DAB/DAG/DAH; DIN 51506, VBL/VCL/VDL
KJL 1534	KYOTO JAPAN TURBINE OIL 32	ASTM D4304 Type II; DIN 51515 TD/TG; ISO 8086 TSE/TGE/TSA/TGA; ALSTOM HTGD 90117 V; GEK 32568E/325 68F/46506D/28143A/107395A/101941A; Solar E5 9-224, Class II; Siemens TLV 9013 04; ALSTOM HTGD 90117W
KJL 1535	KYOTO JAPAN TURBINE OIL 46	ASTM D4304 Type II; DIN 51515 TD/TG; ISO 8086 TSE/TGE/TSA/TGA; ALSTOM HTGD 90117 V; GEK 32568E/325 68F/46506D/28143A/107395A/101941A; Solar E5 9-224, Class II; Siemens TLV 9013 04; ALSTOM HTGD 90117W
KJL 1536	KYOTO JAPAN TURBINE OIL 68	ASTM D4304 Type II; DIN 51515 TD/TG; ISO 8086 TSE/TGE/TSA/TGA; ALSTOM HTGD 90117 V; GEK 32568E/325 68F/46506D/28143A/107395A/101941A; Solar E5 9-224, Class II; Siemens TLV 9013 04; ALSTOM HTGD 90117W
KJL 1537	KYOTO JAPAN RUSTILO 30	

Hydraulic Oils

Code	Product name	Specifications
KJL1571	KYOTO JAPAN TICMA HM 10	DIN 51524/2 HLP; ISO 11158 HM ; AFNOR NFE 48-603 HM;Denison HF-O/HF-1/HF-2; Cincinnati P-68/P-70/P-69; Eaton (Vickers): M-2950-S/I-286-2
KJL1572	KYOTO JAPAN TICMA HM 15	DIN 51524/2 HLP; ISO 11158 HM ; AFNOR NFE 48-603 HM;Denison HF-O/HF-1/HF-2; Cincinnati P-68/P-70/P-69; Eaton (Vickers): M-2950-S/I-286-2
KJL1573	KYOTO JAPAN TICMA HM 22	DIN 51524/2 HLP; ISO 11158 HM ; AFNOR NFE 48-603 HM;Denison HF-O/HF-1/HF-2; Cincinnati P-68/P-70/P-69; Eaton (Vickers): M-2950-S/I-286-2
KJL1574	KYOTO JAPAN TICMA HM 32	DIN 51524/2 HLP; ISO 11158 HM ; AFNOR NFE 48-603 HM;Denison HF-O/HF-1/HF-2; Cincinnati P-68/P-70/P-69; Eaton (Vickers): M-2950-S/I-286-2
KJL1575	KYOTO JAPAN TICMA HM 46	DIN 51524/2 HLP; ISO 11158 HM ; AFNOR NFE 48-603 HM;Denison HF-O/HF-1/HF-2; Cincinnati P-68/P-70/P-69; Eaton (Vickers): M-2950-S/I-286-2
KJL1576	KYOTO JAPAN TICMA HM 68	
KJL 1577	KYOTO JAPAN TICMA HM 100	DIN 51524/2 HLP; ISO 11158 HM ; AFNOR NFE 48-603 HM;Denison HF-O/HF-1/HF-2; Cincinnati P-68/P-70/P-69; Eaton (Vickers): M-2950-S/I-286-2
KJL 1578	KYOTO JAPAN TICMA HV 22	AFNOR NFE 48-603; ISO 11158 HV; DIN 51524/3 HVLP; Denison HF-O; Cincinnati P-68; Sauer Danfoss 520L0463; Eaton Vickers M-2950-S/I-386
KJL 1579	KYOTO JAPAN TICMA HV 32	DIN 51524/3 HVLP; ISO 11158 HV; AFNOR NFE 48-603 HV Denison HF-O/HF-1/HF-2; Cincinnati P-68; Eaton (Vickers); M-2950-S/I-286-S
KJL 1580	KYOTO JAPAN TICMA HV 46	DIN 51524/3 HVLP; ISO 11158 HV; AFNOR NFE 48-603 HV Denison HF-O/HF-1/HF-2; Cincinnati P-70; Eaton (Vickers): M-2950-S/ I-286-S; Hitachi
KJL 1581	KYOTO JAPAN TICMA HV 68	DIN 51524/3 HVLP; ISO 11158 HV; AFNOR NFE 48-603 HV; Denison HF-O/HF-1/HF-2; Cincinnati P-69; Eaton (Vickers): M-2950-S/ I-286-S; Poclain
KJL 1582	KYOTO JAPAN TICMA HLPD 46	DIN 51524 / 2 HLPD; Daimler DBL 6721
KJL 1583	KYOTO JAPAN TICMA HLPD 68	DIN 51524 / 2 HLPD; Daimler DBL 6721
KJL 1584	KYOTO JAPAN TICMA HLPD 100	DIN 51524 / 2 HLPD; Daimler DBL 6721
KJL 1585	KYOTO JAPAN TICMA HVLPD 46	DIN 51524/3 HVLPD; ISO 6743/4-L-HV; AFNOR NFE 48-603; Daimler DBL 6721





## Kyoto Japan Professional Additives

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### Performa Petrol Additive

Product Code: **KJA1901**

#### PROPERTIES

Improve combustion. Clean and lubricate the supply system and the top of cylinder. Reduce oil consumption. Eliminate clicking sound and compression ignition. Avoid the creation of deposit in the combustion chamber and the admission system. Catalytic converter and PF compatibility.

#### INSTRUCTION FOR USE

Pour the content of the flask in fuel tank (before a full tank). 1 can treat until 60 liters of fuel. Treatment: preventive 1 can, curative 2 cans. For optimal efficiency use every 2 full tank.

### Performa E10 Solution

Product Code: **KJA1902**

#### Properties

Stop and prevent the leaks of the cooling system. Anti-corrosion. Avoid the creation of scale. Harmless for joint. All coolant compatible.

#### Instructions

Let the engine running with the heater for 10 minutes. Shake the bottle and pour its content into the cooling system. Let the engine running for 10 minutes. 1 bottle can treat a system from 5 to 20 liters. If the system is highly scaled and dirty, wash it with the CAI NETTOYANT RADIATEUR. If the cooling system is highly oily and greasy, wash is with the CAI DESHULANT CIRCUIT

### Performa ETF Clean

Product Code: **KJA1903**

#### Properties

Descaler cleaning without disassembly, EGR valves, Turbo, catalysts and FAP. Removes soot and deposits (EGR valve). Cleans and frees turbos (control variable geometry). Shifts better regeneration of the DPF. Improves the evacuation of exhaust gases and enhances combustion ( regulation of mission ad and exhaust flow . Optimizes power and reduces the pollution of the vehicle.

#### Instructions

Pour 1 liter directly CLEAN ETF's in the fuel tank when it is close - level "reserve" ( enough to make 30 to 40 km). During cleaning time, run the engine to supported schemes. After treatment, do a full "reduced" 15/20 liters and, if possible, proceed to change the fuel filter.

### Performa Fuel Injector Cleaner

Product Code: **KJA1904**

#### PROPERTIES

Clean and lubricate the supply system and the top of cylinder. Improve combustion and reduce oil consumption. Protect from corrosion the injection system, needles, ...Avoid the creation of deposit in the combustion chamber and the admission system. Compatible with HP, direct, common rail and pump injections, catalytic converter and PF.

#### INSTRUCTION FOR USE

Pour the content of the flask in fuel tank (before a full tank). 1 can treat until 60 liters of fuel. Treatment: preventive 1 can, curative 2 cans. For optimal efficiency use every 2 full tank.

### Performa Engine Treatment

Product Code: **KJA1905**

#### Properties

Reduce the wear, oil consumption and smokes emission. Maintain the oil viscosity in hot condition. Reduce friction (Micronized MoS2) and let the protector film on the components. Restore compressions and engine power. Reduce engine noise. Compatible with all mineral and synthetic lubricants, fuel engine, Diesel, GPL and catalysed or particle filter vehicles.

#### Instructions

Pour the contents of the flask into the oil engine (in hot condition) in every draining. 1 can treat until 5 liters crankcase (Do not exceed 10% of the crankcase capacity).

### Performa Diesel Treatment

Product Code: **KJA1906**

#### Properties

Improve the combustion. Clean and lubricate the supply system and the top of cylinder. Diminish the oil consumption. Eliminate the clicking sound and the compression ignition. Avoid the creation of deposit in the combustion chamber and intake system. Catalytic and FAP compatible.

#### Instructions

Pour directly the content of the flask in the fuel tank before a full tank. 1 flask can treat until 60 liters of fuel. Preventive treatment: 1 flask, curative treatment 2 flasks. For an optimal efficiency use the Diesel treatment every two full tank.

### Performa Radiator Anti Leak

Product Code: **KJA1907**

#### Properties

Stop and prevent the leaks of the cooling system. Anti-corrosion. Avoid the creation of scale. Harmless for joint. All coolant compatible.

#### Instructions

Let the engine running with the heater for 10 minutes. Shake the bottle and pour its content into the cooling system. Let the engine running for 10 minutes. 1 bottle can treat a system from 5 to 20 liters. If the system is highly scaled and dirty, wash it with the CAI NETTOYANT RADIATEUR. If the cooling system is highly oily and greasy, wash is with the CAI DESHULANT CIRCUIT

### Performa Radiator Cleaner

Product Code: **KJA1908**

#### properties

Descale and wash the cooling system. Eliminate rust, grease and mud. Dissolve the sediment deposits and scale. Restore an optimal cooling and improve thermal exchange. Harmless for joint Compatible with all coolant.

#### Instructions

Pour the content of the flask in the cooling system. Let the engine running with the heat for 10 to 20 minutes or drive for 50 km. drain the system and rinse until the water be clear. 1 bottle can treat a system from 5 to 12 litres. If the cooling system is highly oily and greasy, wash it with the CAI product "Deshuliant Circuit".

### Performa Stop Oil Leaks

Product Code: **KJA1909**

#### PROPERTIES

Prevent and stop leaks due to joint failure or wearing down. Don't modify the oil viscosity. Soften and regenerate joints, elastomer and watertight joint. Compatible with all lubricants, Diesel, gasoline and GPL engines, catalytic converters and FAP. Also usable for gear box, steering and hydraulic systems.

#### MODE D'EMPLOI

Add the content of the bottle for a capacity from 3 to 6 litres of oil. Caution: Stop fuite lubrifiants can't treat a joint mecanic break or a fissure in the oil pan.

### Performa Water Dispersant

Product Code: **KJA1910**

#### Properties

Absorb the water contained in fuel supply system (residual water). Protect from the rust and the corrosion. Avoid the deterioration of the fuel filter. Avoid the jamming of pumps and injectors (high pressure injections, common rail, pump injectors). Compatible with HP, direct, common rail and pump injections, catalytic converter and PF.

#### Instructions

Pour the content of the flask in fuel tank (before a full tank). 1 can treat until 50 liters of fuel. Treatment: preventive 1 can every 2-3 full tank, curative 1 can for 1 full tank.



***Kyoto Japan Official Distributor:***

**Kyoto Japan Tire (Suisse) S.A**

1 Cour de Rive, 1207 Geneva - Switzerland  
Tel +41.22. 789 32 00, Fax +41.21.826 11 76

**Email [sales@kyotojap.com](mailto:sales@kyotojap.com)**

Kyoto Japan Tire Corporation Ltd.  
Tokyo - Japan

**[www.kyotojap.com](http://www.kyotojap.com)**