

## Product Data Sheet

### **KORLUBE® CI-4 SYNTHETIC**

#### **Synthetic Heavy Duty Diesel Engine Oil**

#### **Product Description**

**KORLUBE®** CI-4 SYNTHETIC is a synthetic heavy duty diesel engine oil, specially formulated to provide supreme performance and protection for both of the latest high performance and low emission diesel engines with Exhaust Gas Recirculation (EGR) and older engines operating on either low or high sulfur fuels. It provides excellent control of oil thickening due to soot build-up and exposure to high temperatures and outstanding resistance to oxidation, corrosion, wear and high temperature deposits.

It is recommended for use in a wide range of heavy duty applications including trucking, construction, mining, agriculture, forestry and marine. It provides outstanding performance and protection for the most demanding diesel engines of Mercedes-Benz, Man, Volvo, Caterpillar, Cummins, Mack, Detroit Diesel and others. It also provides API SL and ACEA A3/B4 specifications for gasoline engines and mixed fleets.

**KORLUBE®** CI-4 SYNTHETIC is available with 3 multi-viscosity grades : 10W-30, 10W-40 and 15W-40.

#### **Features & Benefits**

##### **HIGH PERFORMANCE**

- Stay-in-grade shear stability helps to maintain oil viscosity in high temperature which leads to maintain engine performance.
- Excellent thermal and oxidation stability helps to reduce sludge build-up, which keeps engine clean and powerful.

##### **LONG ENGINE LIFE**

- Excellent anti-wear and anti-scuff properties extends engine life.
- Excellent low temperature performance allows oil flow to critical bearing surface at start-up and controls low temperature sludge formation in stop-and-go service.

##### **LONG OIL LIFE**

- Excellent oxidation stability prevents oil breakdown and maintains oil viscosity, which helps to reduce oil aging and to extend oil change intervals.
- Stay-in-grade shear stability protects engine parts at high operating temperatures and reduces oil consumption

**Applications**

- Turbo-charged and Naturally Aspired Diesel Engines
- Specially recommended for the latest high performance diesel engines with Exhaust Gas Recirculation (EGR)
- Off-highway Equipments including Construction, Mining, Agriculture and Forestry
- Light Truck / SUV / Passenger Car with Diesel Engines
- All Vehicles / Equipments with Diesel Engines

**Specifications**

**KORLUBE®** CI-4 SYNTHETIC meets or exceeds the requirements of the following specifications :

	10W-30	10W-40	15W-40
API CI-4	√	√	√
API SL	√	√	√
ACEA E7	√	√	√
ACEA A3/B4	√	√	√
MB 228.3	√	√	√
MB 229.1	√	√	√
MAN 3275	√	√	√
VOLVO VDS-3	√	√	√
MTU 2.0	√	√	√
MACK EO-M PLUS	√	√	√
CUMMINS CES 20076, 20077, 20078	√	√	√
CATERPILLAR ECF-1-A	√	√	√
RENAULT RLD-2	√	√	√
DETROIT DIESEL 93K215	√	√	√
DEUTZ DQC-III-05	√	√	√
GLOBAL DHD-1	√	√	√

**Typical Properties**

	10W-30	10W-40	15W-40
API	CI-4, SL	CI-4, SL	CI-4, SL
ACEA	E7, A3/B4	E7, A3/B4	E7, A3/B4
Viscosity @100°C, cSt	10.6	14.9	14.5
Viscosity @40°C, cSt	65.9	101	103
Viscosity Index	150	154	145
Flash Point, °C	232	234	234
Pour Point, °C	- 35	- 35	- 35
Density @15°C, g/cm3	0.865	0.860	0.865

**Health & Safety**

This product is not expected to produce adverse effect on health when used for the intended application and recommendations. Do not use for the purpose other than its intended application. When disposing of used product, please take care to protect the environment.