

# KOYOTO 10W-30 CJ-4/SN SERIES

Advanced Performance Multigrade Fully Synthetic Diesel Engine Oil

**KOYOTO**  
LUBRICANTS

## Product Data Sheet

### Product Description

KOYOTO 10W-30 CJ-4/SN series are extra high performance fully synthetic diesel engine oils formulated with highly refined synthetic base stocks and advanced technology additives to provide reliable engine performance in the latest emission designs, including those with Exhaust Gas Recirculation (EGR) systems and after treatment systems with Diesel Particulate Filters (DPF) and Diesel Oxidation Catalyst (DOC), as well as satisfying the needs of older engines. It may be used in naturally aspirated and turbocharged diesel & petrol engines and On & Off highway applications, providing excellent protection even under the most strenuous conditions.

### Features & Benefits

- Outstanding oxidation & thermal stability reduces sludge deposits and keeps the engine cleaner.
- Excellent engine protection by providing outstanding protection against corrosive & abrasive wear.
- Improved shear stability maintains viscosity in-grade under severe, high temperature service conditions.
- Excellent low temperature pumpability ensures improved fuel economy.
- Excellent dispersancy provides outstanding soot control in Exhaust Gas Recirculation (EGR) systems.
- Excellent TBN reserves provide improved acid neutralization and corrosion protection, which helps in extending oil drain interval in both new & old engines using either low (500 ppm) or ultra-low (15 ppm) sulfur diesel fuel.

### Specifications

**KOYOTO 10W-30 CJ-4/SN meets or exceeds following International and Builder specifications:**

- API CJ-4, CI-4 Plus, CI-4, CH-4, CF, CF-2, SN, SM, SL, SJ
- ACEA E9/E7
- MTU OIL Category 2.1
- MACK EO-O Premium Plus
- Detroit Diesel Power Guard 93K218
- CUMMINS CES 20081/76/77
- CAT ECF-3
- MB 228.31
- VOLVO VDS-4
- MAN 3575
- Deutz DQC-III-10 LA
- Renault VI RLD-3

### Typical Characteristics

| KOYOTO CJ-4/SN     | Test Method | Units    | 10W-30        | 10W-40        |
|--------------------|-------------|----------|---------------|---------------|
| Density @ 15 °C    | ASTM D 4052 | gm/cc    | 0.868         | 0.875         |
| Viscosity @ 100 °C | ASTM D 445  | cSt      | 10.4          | 14.4          |
| Viscosity @ 40 °C  | ASTM D 445  | cSt      | 62.6          | 96            |
| Viscosity Index    | ASTM D 2270 | -        | 155           | 155           |
| Pour Point         | ASTM D 97   | °C       | -39           | -39           |
| Flash Point (COC)  | ASTM D 92   | °C       | 215           | 236           |
| Total Base Number  | ASTM D 2896 | mg KOH/g | 10.4          | 10.4          |
| Sulfated Ash       | ASTM D 874  | % wt     | 1.0           | 1.0           |
| CCS Viscosity      | ASTM D 5293 | cP       | 6050 @ -25 °C | 6200 @ -25 °C |

*The above figures are typical of blends with normal production tolerance and do not constitute a specification.*