

# KOYOTO 10W-40 CI-4 SERIES

High Performance Multigrade Diesel Engine Oil

**KOYOTO**  
LUBRICANTS

## Product Data Sheet

### Product Description

KOYOTO 10W-40 CI-4 uses selected synthetic technology base oils and balanced additive system to deliver fuel economy performance, and to protect modern engines operating under extreme conditions of pressures and temperatures. It's the ideal choice for operators of heavy-duty truck and bus fleets equipped with latest emission designs, including those with EGR systems, as well as satisfying the needs of older engines. It may be used in naturally aspirated and turbocharged diesel and petrol engines, providing excellent protection even under the most severe conditions.

### Features & Benefits

- Outstanding oxidation & thermal stability reduces sludge deposits and keeps the engine cleaner.
- Excellent fuel economy, due to its superior flow and frictional properties compared to conventional diesel engine oils.
- Excellent dispersancy provides outstanding soot control in Exhaust Gas Recirculation (EGR) systems.
- Extended TBN reserves provide improved acid neutralization and corrosion protection, which helps in extending oil drain intervals.
- It delivers excellent viscosity control, outstanding protection against wear and exceptional versatility featuring one oil for all fleet with multiple engine makes.

### Specifications

**KOYOTO 10W-40 CI-4 meets or exceeds following International and Builder specifications:**

- API CI-4, CH-4, CG-4, CF-4, CF, SL, SJ
- ACEA E7/E5/E3/A3/B4
- CAT ECF-1a, ECF-2
- MTU OIL Category 2
- VOLVO VDS-3
- Global DHD-1
- CUMMINS CES 20076/7/20078
- MACK EO-M plus
- Renault VI RLD-2

**KOYOTO 10W-40 CI-4 has the following builder approval:**

- MAN M 3277
- MB 228.5

### Typical Characteristics

KOYOTO CI-4	Test Method	Units	10W-40
Density @ 15 °C	ASTM D 4052	gm/cc	0.864
Viscosity @ 100 °C	ASTM D 445	cSt	14.4
Viscosity @ 40 °C	ASTM D 445	cSt	96
Viscosity Index	ASTM D 2270	-	155
Pour Point	ASTM D 97	°C	-39
Flash Point (COC)	ASTM D 92	°C	236
Total Base Number	ASTM D 2896	mg KOH/g	11.0
Sulfated Ash	ASTM D 874	% wt	1.1
CCS Viscosity	ASTM D 5293	cP	6200 @ -25 °C

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