

# LUBRAL DIESEL TURBO HD SAE 15W40 API CI-4 PLUS

## DIESEL ENGINE OIL

### DESCRIPTION

LUBRAL DIESEL TURBO HD SAE 15W40 API CI-4 PLUS is formulated from premium quality base oils and advanced additive technology, providing the highest levels of equipment protection available. It is formulated to provide excellent performance in EGR (Exhaust Gas Recirculation) engines.

### BENEFITS

- Excellent bearing corrosion protection (critical EGR).
- Great anti-wear, anti-foam and antioxidant properties.
- Extraordinary soot control.
- Stable viscosity under extreme temperature conditions.
- High control of deposits and sludge formed by high temperatures.
- High viscosity index.
- Low ash formation.
- Low particles emission to the atmosphere.
- Valve train wear, rings and liners control.
- High oxidation resistance.

### APPLICATIONS

LUBRAL DIESEL TURBO HD SAE 15W40 API CI-4 PLUS oil is recommended for 4-stroke diesel engines, designed to satisfy the 2004 exhaust gas emissions standards. Maintains engine durability when using exhaust gas recirculation systems (EGR), designed to be used with diesel containing up to 0.5% by weight of sulfur, offering better soot control and can replace the CF, CF-4, CG-4, CH-4 and CI-4 categories. It's also recommended for good condition gasoline engines, which require API SL quality.

It has formal approval for:

**API:** CI-4 PLUS

**CUMMINS:** CES20078

**DETROIT DIESEL:** DFS93K214

Furthermore, this oil complies or exceeds the requirements for ACEA E7-04, Cummins 20076, 20077, Global DHD-1, Mack EO-MT, MAN 3275, MB 228.3, MTU Type 2, Renault Truck RLD -2 and Volvo VDS- 3.

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### CHARACTERISTICS

TEST	TEST METHOD	TYPICAL VALUE
SAE Grade	SAE J300	15W-40
Appearance	Visual	Bright
Color	ASTM D1500	4
Density @20°C, g/cm <sup>3</sup>	ASTM D4052	0.87
Kinematic viscosity @ 40°C, cSt	ASTM D445	114
Kinematic viscosity @ 100°C, cSt	ASTM D445	15
Viscosity index	ASTM D2270	140
Flash point COC, °C, min	ASTM D92	230
Pour point, °C	ASTM D97	-24
Cold cracking simulation CCS, Cp @-35°C	ASTM D5293	4610
TBN, mg KOH/g	ASTM D2896	10
Sulphated ash, % weight	ASTM D874	1.0
Foam tendency, ml max.	ASTM D892	
Sequence I		20/0
Sequence II		50/0
Sequence III		20/0

Typical Characteristics are those obtained with normal tolerance of production and no constitute a specification. Variations, that do not affect the yield product during the normal manufacturing and on different mixing locations are expected.

Information contained in this document is held to changes without previous advisement. The availability of the products could vary depending on the location. For further information, contact [venta@lubral.com](mailto:venta@lubral.com).