



# TOP 1 OIL PRODUCTS COMPANY

## PRODUCT DATA SHEET

Revised: Sep. 2017

# HD

### DESCRIPTION

**HD 15W-40 CI-4/SL** Synthetic Blend Diesel Engine Oil is a superior quality oil that is formulated to provide greater protection than a standard 15W-40. HD is formulated for engines operating under severe service and a wide range of climate conditions. It is suitable for virtually all modern low-emission heavy duty engines, especially those with exhaust after-treatment devices meeting *Euro 4, 5 emissions requirements*.

Because it is a blend of premium syn-blend base oils and selected additives, HD is designed to give excellent performance in all EGR engines. This engine oil contains an effective additive system, which is compatible with and keeps all EGR engines highly clean.

### FEATURES AND ADVANTAGES

- **HD 15W-40** exceeds API **CI-4/SL**.
- Also recommended for use as a “long drain” motor oil.
- Exceeds Mack T8E &T10 specification. Mack’s preferred recommendation is SAE Grade 15W-40.
- Meets Mack EO-N, EO-M Plus, EO-M requirements.
- Meets and exceeds service requirements for Cummins engines.
- Recommended for all turbo-charged engines where manufacturer specifies CI-4, CH-4.
- Meets Volvo VDS requirement.
- Meets requirements of CAT ECF-1a & CAT ECF-2.
- Meets Cummins 20076 and 200787 requirements.
- Meets MB 228.1 / MB 229.1, MTU Type 1, MAN 271 and ACEA E2-96 requirements.

### TYPICAL SPECS

GRADE, SAE	ASTM TEST	15W-40
Gravity, °API	D-287	30.5
Flash Point, °F	D-92	440
Pour Point, °C	D-97	-45
Viscosity:		
cSt @ 40°C	D-445	109
cSt @ 100°C	D-445	15.5
Viscosity Index	D-2270	150
Color	D-1500	3.0
Sulfated Ash, wt%	D-874	1.2
TBN	D-2896	9.3
<b>Product Number:</b>		
12x1 Liter		17641
4x5 Liter		17644

VALUES SHOWN HERE ARE TYPICAL AND MAY VARY

100 N. El Camino Real, San Mateo, CA 94401, Tel: 650.347.3691 Fax: 650.340.8739 www.top1oil.com