

# Vigor Ultra D SAE 10W-40

## Product Description

VIGOR ULTRA D SAE 10W-40 is Ultra High Performance diesel (UHPD) engine oil, designed to meet the latest OEM requirements of the heavy duty modern diesel engines. VIGOR ULTRA D SAE 10W-40 is formulated from premium quality base oils and additive packages of top tier technology, as well as viscosity index modifier with high resistance to shear, providing very high performance.

## Performance Features

The use of VIGOR ULTRA D SAE 10W-40 satisfies the latest and most demanding quality for diesel engines which oil must incorporate improved additive technology to handle the high demands of extended oil drain intervals. The results of using VIGOR ULTRA D SAE 10W-40 are:

- Excellent detergent and dispersant properties
- High anti-wear protection
- Protection from Carbon Deposits
- Non corrosive to bearings
- No foaming
- Extended drain intervals
- Low emissions

## Application

VIGOR ULTRA D SAE 10W-40 is recommended for use in heavy duty, turbo-charged diesel engines running under severe operating conditions or when long and demanding service periods are required. OEMs manual must always be the guidance for the end user. VIGOR ULTRA D SAE 10W-40 is recommended for low emission diesel engines Euro 4 and Euro 5 which operate under low Sulphur diesel.

VIGOR ULTRA D SAE 10W-40 oil meets the following requirements:

**API:** CF, **ACEA:** E4/E7, **VOLVO:** VDS-3, **MERCEDES-BENZ:** 228.5, **MAN:** M3277, **SCANIA:** LDF-2, LDF-3, **MTU:** III, **RVI:** RXD, RLD, RD-2, RLD-2, **DAF:** Extended Drain **Cummins:** CES 20072, **DEUTZ:** DQC III-10, **Voith:** Class A, **ZF:** 04C

## Typical Properties:

SAE grade	10W-40	Method
Specific gravity at 15 <sup>o</sup> C, Kg/l	0.868	ASTM D-4052
Viscosity, Kinematic at -25 <sup>o</sup> C, cSt	<7000	ASTM D-5293
Viscosity, Kinematic at 100 <sup>o</sup> C, cSt	13.40	ASTM D-445
Viscosity Index	155	ASTM D-2270
Pour Point, <sup>o</sup> C	-36	ASTM D-97
Flash Point COC, <sup>o</sup> C	220	ASTM D-92
Total Base Number (TBN), mg KOH/g	15.8	ASTM D-2896
Sulphated Ash, %wt	1.2	ASTM D-874

### Note:

The above information is indicative based on current production and does not constitute a specification. Results can be affected by allowable production tolerances, not affecting performance.