

Signature® Synthetic Blend HD Engine Oil 15W-40 is a premium synthetic blend designed to meet diesel engine manufacturers' requirements for EGR/EPF engines.

- Excellent oxidation and thermal stability to reduce sludge and deposits
- Better low temperature pumpability
- Stay-in-grade shear stability to protect engine parts at high operating temperatures
- Specially formulated for 2017 greenhouse gas (GHG 17) compliant diesel engines designed to meet lower CO₂ emissions and improved fuel economy
- Backwards compatible with all previous API Oil Service Categories and engine models

Applications:

For use in modern on-highway low emission designs as well as older on-highway diesel engines. In engines where an SAE 15W-40 viscosity grade is recommended including those adapted for the most stringent emissions standards in oil and gas, construction, agriculture, marine, and mining applications. Signature® Synthetic Blend HD 15W-40 is a mixed fleet engine oil recommended for naturally aspirated and turbocharged four-stroke diesel engines in which the API CK-4 service category is recommended. It is formulated for engines operating under severe service and a wide range of climatic conditions.

Certifications:

Fully registered under API Service Category CK-4

Meets or exceeds: • Cummins CES 20086 • Mack EOS 4.5 • Renault VI RLD-4 • Volvo VDS-4.5 • ACEA E7/E9-2012 • Allison TES-439 • Caterpillar ECF-3 • Detroit Fluids Specification (DFS) 93K222 • MAN M 3575 • Daimler MB 228.31 • MTU Category 2.1 • JASO DH-2 • Ford WSS M2C171-F1

Backwards compatible and meets or exceeds the requirements of CJ-4, CI-4

Typical Properties:

Grade		15W-40
API Gravity	ASTM D1298	31.3
Viscosity, cSt@40°C	ASTM D445	107.9
Viscosity, cSt@100°C	ASTM D445	14.8
Viscosity Index	ASTM D2270	142
CCS, -20°C, mPa-s	ASTM D5293	4708
Volatility, NOACK	ASTM D5800	9
Flash Point, °C	ASTM D92	215
Pour Point, °C	ASTM D97	-34
Total Base #, mg KOH/g	ASTM D2896	10

*Values are typical and may vary within normal production ranges