



ProFleet Syn-Blend XHD

DESCRIPTION

ProFleet Syn-Blend XHD Engine Oil is formulated to meet the latest requirements of U.S. Tier 4 and European EURO VI emission standards, for long-lasting protection of diesel engines equipped with diesel particulate filters (DPF) and to exceed the performance standards for virtually all global diesel engine manufacturers. Ultra Power HD Engine Oil is compounded with advanced additive and friction reducing chemistry that delivers superior wear protection, optimum fuel economy and long-lasting soot and oxidation control to support maximum service intervals.

PERFORMANCE BENEFITS

- Superior anti-wear properties protect critical engine components
- Special friction optimized chemistry delivers optimal fuel economy
- Enhanced detergency properties protect pistons and rings from carbon deposits
- Advanced dispersants keep soot in suspension and reduces oil thickening in extended intervals
- Excellent TBN retention neutralizes acidic engine conditions in extended service intervals
- Outstanding lubricity characteristics with ultra-low sulfur (ULS) diesel and low-sulfur EPA diesel fuels
- Backward compatible and may be used in older vehicles requiring previous API service categories
- Long-term protection of DPF and exhaust gas recirculation (EGR) NOx reduction systems
- Proven technology with over 40 million miles of field testing across major engine platforms

PRODUCT APPLICATION

ProFleet Syn-Blend XHD Engine Oil is recommended for the following heavy-duty engine oil requirements:

Exceeds **API Service Categories CK-4**, CJ-4, CI-4 Plus, CI-4, CH-4, CG-4, CF-4 & Gasoline engines SN & SM (SAE 15W-40), SL, SJ & SH (SAE 15W-40 & SAE 10W-30)

Exceeds **ACEA E6/E9-2012** performance standards (E9-2016 ready)

Exceeds Engine Manufacturer Performance Requirements: **Caterpillar ECF-3**, ECF-2 & ECF-1, **Cummins CES 20086**, 20081, 20077, 20076, 20071, **Detroit Diesel 93K222** & 93K218, **Mack EOS-4.5**, EO-O Premium Plus 07, EO-N, EO-M Plus, EO-L Plus, **Mercedes Benz (Daimler) 228.31** & 228.3, Chrysler MS-10902 & MS 6395-G, Ford ESE-M2C153-E & WSS-M2C171-E, MIL-L-2104E, Allison C-4, Caterpillar TO-2, Department of Defense CID-a-a-52306A2 & A-A-52039A3, Navistar (International), John Deere, **Deutz DQC III-10-LA** & III-05, AGCO (Allis Chalmers), **Volvo VDS-4.5** & VDS-4, PACCAR, **MAN M3575**, JASO DH-2, **MTU 2.1**, **Renault RLD-4** & RDL-3, Global DHD-1

Typical Physical Properties			
Property	Method		
SAE Grade		10W-30	15W-40
Viscosity, cSt @ 40°C	D-445	81.7	113.9
Viscosity, cSt @ 100°C	D-445	12.2	15.6
Viscosity Index	D-2270	150	145
Specific Gravity, 60/60°F	D-1250	0.865	0.869
Flash Point, COC, °C(°F)	D-92	222 (432)	236 (457)
Pour Point, °C(°F)	D-97	-39 (-38)	-33 (-27)
Color	D-1500	4.0	4.0
Total Base Number (TBN)	D-2896	10.0	10.0
Sulfated Ash, wt.%	D-4929	1.0 max	1.0 max
Minor variations in physical test results may occur through normal manufacturing			

Always consult original equipment manufacturer's lubricant recommendation for proper fluid application.

