



VP® Fleet Plus HD Engine Oil

DESCRIPTION

Fleet Plus HD Engine Oils are universal engine oils formulated with select base stocks and a robust additive system to meet and exceed performance requirements of a wide-range of heavy-duty engine applications found in on-road trucking, construction, mining and agriculture equipment. Fleet Plus HD Engine Oils are also recommended for automotive service of gasoline engines requiring API performance SL and SJ.

Fleet Plus HD Engine Oil provides outstanding wear and deposit control during cold engine start-up through maximum operating temperatures. Through its robust additive system, it delivers superior engine protection in all climates and driving conditions, from stop-and-go city driving to long-distance hauling.

PERFORMANCE BENEFITS

- Superior anti-wear properties protect critical engine components
- Special detergents maintain excellent soot control throughout service life
- Recommended for service in global regions with elevated sulfur content in diesel fuel
- Long-term protection of pistons and rings from carbon deposits
- Outstanding resistance to oil oxidation reduces oil consumption between services
- Excellent TBN retention for added protection in extended service
- Supports extended service intervals

PRODUCT APPLICATION

Fleet Plus HD Engine Oil is recommended for the following automotive and heavy-duty engine oil recommendations:

API Heavy-Duty Service CI-4, CH-4, CG-4, CF-4, CF, CD & SL, SJ, SH, SG for Automotive Service
ACEA A2/B2

Allison C4, Caterpillar ECF-2, ECF-1a, Cummins CES 20078, 20077, 20076, 20075, 20072, 20071, DDC 93K215, Deutz DQC III-10, Global DHD-1, Iveco T2 E5, JASO DH-1, Mack EO-M, EO-M Plus, EO-N, MAN 3275, MB 228.3, MTU Type II, Renault RLD, RLD-2, Volvo VDS-2, VDS-3

Typical Physical Properties						
Property	Method	10W-30	10W-40	15W-40	20W-50	25W-60
SAE Grade		10W-30	10W-40	15W-40	20W-50	25W-60
Viscosity, cSt @40°C	D-445	62.0	96.0	116.0	130.0	232.0
Viscosity, cSt @100°C	D-445	10.7	14.9	15.5	17.4	24.0
Viscosity Index	D-2270	135	145	140	125	125
Specific Gravity @60°F	D-4052	0.865	0.869	0.878	0.880	0.882
Flash Point, COC, °C(°F)	D-92	220 (428)	232 (450)	236 (457)	235 (455)	236 (457)
Pour Point, °C(°F)	D-97	-44 (-47)	-32 (-26)	-33 (-27)	-30 (-22)	-27 (-17)
Total Base Number (TBN)	D-2896	10.0	10.0	10.0	10.0	10.0
Sulfated Ash, wt. %	D-4929	1.20	1.20	1.20	1.20	1.20

Minor variations in physical test results may occur through normal manufacturing

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

