



## VP® Street Legal Engine Oil

### DESCRIPTION

**VP Street Legal 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. VP Street Legal Engine Oils are also recommended for automotive service of gasoline engines requiring API performance SL and SJ and for international 4-cycle motorcycle engines requiring JASO MA performance (SAE grades 10W-30, 10W-40 & 20W-50).

VP Street Legal 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

VP Street Legal Engine Oil is recommended for the following automotive and heavy-duty engine oil requirements:

Exceeds API Heavy-Duty Service CI-4, CH-4, CG-4, CF-4 & SL, SJ, SH for Automotive Service

Exceeds ACEA E3-96 Issue 3, E5-99, & B3-98 performance standards

JASO MA (SAE grades 10W-30, 10W-40 & 20W-50)

Exceeds Engine Manufacturer Requirements: Cummins CES 20078, 20077, 20076,20071 & Mack EO-N, EO-M Plus, EO-M, EO-L Plus, EO-L & Detroit Diesel 92K214 & Mercedes Benz 228.1, Chrysler MS 6395-G & Ford ESE-M2C153-E & General Motors 6094-M & MIL-L-2104E, MIL-L-46152E(obsolete) & Allison C4 & Caterpillar ECF-2 &TO-2 fluids, Department of Defense CID-a-a-52306A2, A-A-52039A3 & Volvo VDS

Typical Physical Properties						
Property	Method					
SAE Grade		10W-30	10W-40	15W-40	20W-50	25W-60
Item Number		VP5010310	VP5010410	VP5015443	VP5020543	VP5025610
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-1298	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.

