



Ultimate vLD, 10w/40 low SAPS

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Description:

Ultimate vLD 1040 (very long drain) is a low SAPS Group IV PAO (polyalphaolefin) based full synthetic diesel engine oil blended with a "new generation" additive package to provide far higher levels of protection against corrosion, sludging, acidification, and oil oxidation as well as very high shear stability in comparison to a conventional super high performance diesel oils (SHPD).

Why PAO Synthetic Base Oil?

PAO synthetics offer a number of advantages over conventional mineral and synthetic oil based lubricants

- Very high Viscosity Index (156) – minimal viscosity change at both high and low operating temperatures
- Superior oxidation resistance
- Higher film strength – ability to retain lubricating properties under high load
- Full compatibility with all types of seals and coatings
- Extended lubricant life of up to five or six times that of mineral base oils (subject to filter change as specified by the OEM)

Ultimate vLD meets every International specification for top performance and long service life in all four stroke naturally aspirated and turbo engines, giving greater wear protection against soot induced thickening, valve train wear, ring and liner wear, oxidation thickening and piston deposit.

Ultimate vLD through its unique formulation offers extended oil change intervals of up to 5 or 6 times the normal service period, under suitable conditions.

Ultimate vLD has also been formulated for use in Engines with or without Diesel Particulate filters (DPF) and or Catalytic converters and meets the Euro IV & Euro V specifications for exhaust emissions and fuel efficiency and is recommended for use in DAF, Deutz, Iveco, MAN, Mercedes-Benz, Renault, Scania and Volvo Euro IV or Euro V engines as well as large direct injection (DI) Japanese engines such as Hino, Isuzu, Mitsubishi and UD and in all vehicles that require the following lubricant performance standards.

Ultimate vLD Meets or Exceeds;

ACEA E4 (99-3), E5, E6 (04-2), E7 (04-2), E9 ... Cat ECF-3 ... Mercedes Benz: Sheet 228.31, 228.5, 228.51 ... JASO DH-2 ... Cummins 20081 ... MAN: M3277 for CRT™, M3477 ... Volvo: VDS-4, VDS-3 Renault: RXD, RLD-2 ... API CJ-4/SM ... DAF: extended drain requirements ... Allison C4 ... Detroit DDC Power Guard 93K218 ... Mack EO-O Premium plus, EO-M plus, EO-L plus, EO-L, EO-K, EO-K2

<i>Typical properties:</i>			
<i>SAE Viscosity</i>	<i>10w/40</i>		
<i>Visc. @ 40 degC, cSt</i>	<i>97.8</i>		
<i>Visc. @ 100 degC, cSt</i>	<i>14.7</i>	<i>Viscosity index</i>	<i>151</i>
<i>Sul. Ash %</i>	<i>0.99</i>	<i>TBN</i>	<i>10.31</i>
<i>Zinc % mass</i>	<i>0.127</i>	<i>Nitrogen % mass</i>	<i>0.158</i>
<i>Phosphorus % mass</i>	<i>0.115</i>	<i>Calcium % mass</i>	<i>0.245</i>

