



Raysun Pluto

Extra High Performance Diesel (XHPD) Engine Oil

Raysun Pluto are high performance diesel engine oil developed to provide outstanding protection to modern high performance diesel engines used in severe applications. They are formulated with high performance base stocks and advanced additives to provide excellent lubrication and 'Extra Long Drain' intervals. These are designed for use in most demanding heavy duty diesel engines meeting Euro IV emission standards.

Advantages

- Superior protection against bore polishing ensures longer engine life
- Exceptional deposit control leading to cleaner engine and thereby reduced maintenance costs
- Extended TBN reserve enables prolonged drain interval capability
- High viscosity index facilitates smooth operation over a wide temperature range
- Excellent low temperature fluidity enables easy starting at cold ambient temperatures and offers wear protection at start-up
- High shear stability ensures viscosity control, wear protection and lower oil consumption
- Outstanding detergency provides protection against high temperature deposits

Applications

- Recommended for use in all low emission turbo charged and naturally aspirated heavy-duty diesel engines meeting Euro IV and V emission standards manufactured by North American, European and Japanese manufacturers requiring such quality oils
- Suitable for on road applications including light and heavy duty highway and city applications, mining, construction, agriculture and other off road applications
- Depending upon the specific engine model and service conditions, oil change intervals of 100,000 km can easily be achieved

Performances level & Specifications

- API CI-4, ACEA E4, E7
- Scania LDF-2; Mack EO-M Plus
- Cummins CES 20077/78
- DAF Extended Drains
- MAN M 3277; MB-Approval 228.5
- Volvo VDS-3; Renault Trucks RXD/RLD-2; Mack EO-N, MTU Oil Category 3



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Values		ASTM Method	Specification
10W-40	5W-30		
0.865	0.854	D 1298	Density @ 15°C, kg/l
15	11.5	D 445	Viscosity @ 100 °C, cSt.
140	147	D 2270	Viscosity Index
230	228	D 92	Flash Point, °C
-39	-42	D 97	Pour Point, °C
12	12	D 2896	TBN, mg KOH/g

Note: "All of the results are typical and the results of each batch are presented in the COA sheet."