



Diesel Engine Oils

hyrax[®] ULTIMO PLUS



Description

Hyrax Ultimo Plus is an ultimate extreme performance fully synthetic SAE 5W-30 multigrade diesel engine oils specifically designed to exceed the most stringent and severe lubrication requirement of the latest European low-emission, heavy duty diesel engines including those fitted with Exhaust Gas Recirculation (EGR) system operating under the most extreme service conditions and long drain oil intervals.

Hyrax Ultimo Plus is specially engineered to provide excellent engine cleanliness, excellent low temperature fluidity, excellent thermal and oxidation stability and exceptional wear protection to all engine parts. Its high alkalinity reserve and special dispersant keeping acidic formation and sludge deposit in crankcases under control even for long drain interval engine operation.

Applications

Hyrax Ultimo Plus is highly recommended for severe duty high-performance diesel engines including those fitted with EGR system, both on-highway and off-highway, operating under most extreme and extended drain condition as specified by OEMs such as Mercedes Benz Actros engine.

Benefits

- Excellent anti-wear and anti-scuff properties to prolong engine life
- Excellent thermal and oxidation stability to minimize oil thickening, high temperature deposits, sludge build-up and oil degradation
- Exceptional detergent and dispersant properties minimize deposit formation at critical engine parts and prevent soot-induced engine wear
- Contains high alkalinity reserve for extended drain service
- Excellent shear stability properties to ensure consistent oil viscosity for optimum engine operation
- Fuel economy benefits especially for long haul operation

Typical Characteristics

Properties	Method	SAE 5W-30
Density at 15°C, Kg/L	ASTM D4052	0.861
Flash Point, °C	ASTM D92	>210
Pour Point, °C	ASTM D97	-39
Viscosity at 40°C, cSt	ASTM D445	77.7
Viscosity at 100°C, cSt	ASTM D445	12.3
Viscosity Index	ASTM D2270	158
Total Base Number, mgKOH/g	ASTM D2896	15

Performance

- | | | | | |
|----------------|----------------|------------------|----------------------|-------------------------------------|
| ● API CF | ● Deutz IV-10 | ● Mack E0-N | ● DAF Extended Drain | ● Mercedes-Benz MB p228.5 / p235.28 |
| ● ACEA E4 / E7 | ● MAN 3277 | ● Volvo VDS-3 | ● Cummins CES 20077 | |
| ● MTU Type 3 | ● SCANIA LDF-3 | ● Renault RLD -2 | ● FORD WSS-M2C212-A1 | |



Extreme wear protection to prolong engine life



Excellent thermal and oxidation stability



Minimize deposit formation at critical engine parts



Alkaline

High alkalinity reserve for extended drain service