



Marine & Large Engines Oils

hyrax[®] ADMIRAL



Note:

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Prolong engine life and reduced maintenance costs



Optimizing engine power output.



Outstanding thermal and oxidation stability



Alkaline

High alkalinity reserve for extended drain service

Description

Hyrax Admiral is a super high performance heavy duty diesel engine oil (SHPD) exclusively developed for extended drain diesel engines in marine application especially for those of MTU engines. It is also highly recommended for use in trucks, buses, and other vehicles or machineries used in construction equipment, agricultural equipment, power generators, and etc.

Applications

Hyrax Admiral is engineered for the lubrication of all kinds of heavy duty diesel engines and high speed auxiliary engines, especially those of MTU makes used in the marine services, running distillate fuels with sulfur content up to 0.5%.

Benefits

- Excellent wear protection to prolong engine life and reduced maintenance costs
- Good detergent and dispersant properties to prevent oil thickening, minimized soot induced abrasive wear and bore polishing while optimizing engine power output
- Excellent thermal and oxidation stability to minimize low-temperature sludge and fuel generated soot build-up as well as high temperature deposits
- High alkalinity reserve to fight against corrosion in high sulphur diesel application with extended drain capability

Typical Characteristics

Properties	Method	SAE 15W-40
Density at 15°C, Kg/L	ASTM D4052	0.889
Flash Point, °C	ASTM D92	>210
Pour Point, °C	ASTM D97	-20
Viscosity at 40°C, cSt	ASTM D445	120.0
Viscosity at 100°C, cSt	ASTM D445	15.4
Viscosity Index	ASTM D2270	134
Total Base Number, mgKOH/g	ASTM D2896	10

Performance

- | | | |
|----------------|---------------|-----------------------------|
| ● API CI-4 | ● Volvo VDS-3 | ● Cummins CES 20078 |
| ● ACEA E5 / E7 | ● Mack EO-N | ● Mercedes-Benz MB p228.3 |
| ● MTU - TYPE 2 | ● MAN 3275 | ● Caterpillar ECF-2, ECF-1A |