



Marine & Large Engines Oils

hyrax[®] TOP DEO



Description

Hyrax Top Deo is a superior performance monograde diesel engine oil specially designed for marine applications operating under severe condition using diesel fuels with low to moderate sulfur content. It is exclusively formulated with premium quality base stocks and high performance additive system to impart good effects of detergency, anti-oxidant and anti-wear for outstanding engine protection.

Applications

Hyrax Top Deo is highly recommended for the lubrication of all high speed marine engine especially those of MTU engines, on-highway and off-highway diesel engines operating under severe operating conditions.

Benefits

- Excellent detergent and dispersant additive system for excellent engine cleanliness especially the upper ring belt deposit control
- High thermal and oxidation stability to protect against formation of varnish at high temperature
- Excellent protection against corrosive and soot-induced wears especially in severe marine diesel engine operation

Typical Characteristics

Properties	Method	SAE 40	SAE 50
Density at 15°C, Kg/L	ASTM D4052	0.878	0.881
Flash Point, °C	ASTM D92	>210	>210
Pour Point, °C	ASTM D97	-15	-15
Viscosity at 40°C, cSt	ASTM D445	136.4	220.3
Viscosity at 100°C, cSt	ASTM D445	14.4	19.5
Viscosity Index	ASTM D2270	104	100
Total Base Number, mgKOH/g	ASTM D2896	11	11

Performance

- API CH-4
- MTU Type 2



Excellent detergent and dispersant additive system



Excellent high temperature deposits control



Protection against corrosive and soot induced wears



Low to moderate sulfur content