



Diesel Engine Oils

# hyrax<sup>®</sup> SUPERGUARD



## Description

**Hyrax Superguard** is a super high performance multigrade diesel motor oil formulated to meet the highest performance required by high speed turbo-charged diesel engines running on low sulphur diesel or conventional high sulphur diesel fuel. Formulated with premium quality base oils and advanced detergent / dispersants, combined with anti-oxidant and anti-wear additive system provide maximum performance protection to the engines operating at high temperature and extreme conditions.

## Applications

**Hyrax Superguard** is recommended for the lubrication of all types of diesel engines, including turbo-charged models installed in trucks, buses, earthmoving equipment and other diesel engines applications. Also suitable for gasoline engine requiring API SG and below performance level.

## Benefits

- Prevents harmful crankcase deposits and excellent wear protection to prolong engine life
- Provides greater engine cleanliness, shear stable and resistance to oil thickening
- Excellent TBN retention to effectively neutralizing the acidic by-products of combustion

## Typical Characteristics

Properties	Method	SAE 10W-30	SAE 15W-40	SAE 20W-50
Density at 15°C, Kg/L	ASTM D4052	0.868	0.873	0.873
Flash Point, °C	ASTM D92	>210	>210	>210
Pour Point, °C	ASTM D97	-36	-30	-27
Viscosity at 40°C, cSt	ASTM D445	72.9	107.4	149.6
Viscosity at 100°C, cSt	ASTM D445	10.9	14.2	18.8
Viscosity Index	ASTM D2270	140	135	142
Total Base Number, mgKOH/g	ASTM D2896	10	10	10

## Performance

- API CF-4 / SG



Excellent wear protection to prolong engine life



Provides greater engine cleanliness



Excellent TBN retention



Formulated with premium quality base oils