

Puma HD Super 50 CF

- ✓ Anti-wear Protection
- ✓ Oxidation Resistance

Puma HD Super 50 CF is a lubricant that has been formulated with highly refined base stock and an additive package, designed to protect diesel engines against wear, particularly those engines using higher sulfur diesels. It contains inhibitors, dispersants-detergents and anti-wear additives that protect engines against corrosion, rust and oxidation.

Designed to Perform

Anti-wear Protection – Longer Equipment Life

Proven anti-wear additive packages provides greater resistance to sliding wear thus ensuring efficiency and long life of all moving parts which greatly reduces the need for engine servicing and overhauls.

Oxidation Resistance - Longer Oil Life

It has extremely good oil life and lubricant stability, even when subjected to unusually high thermal stresses. This property minimizes sludge and deposit formation, thus preventing blocking of ports, valves and controls, while guaranteeing that the oil remains properly fluid. Maintenance costs are therefore reduced and the useful service life of the oil is extended.

High Detergency – Increased Engine Cleanliness

It has excellent detergency properties, making it particularly suitable for use in supercharged engines. It also has high dispersant properties. The lubricant is thus very resistant to the formation of lacquer and varnish, as well as sludge and other engine deposits. It helps prevent ring sticking and keeps pistons clean, while maintaining soot deposits in suspension ready to be filtered.

Anti-corrosion & Anti-rust Properties

It has particularly good anti-corrosion properties which effectively protect the engine from corrosion from combustion moisture and acids. These additives inhibit the oxidation of internal surfaces of the engine and therefore prevent breakdown of the oil.

Engine Protection

The additive package is designed to protect engines running on high sulphur fuels.

Application

Puma HD Super 50 CF is recommended for the lubrication of naturally aspirated and turbo charged diesel engines in heavy duty and passenger trucks, construction equipment, farm tractors, fishing boats and industrial stationary engines working under severe conditions.

Puma HD Super 50 CF

Meets the requirements of the following specifications:

- > API : CF/SF

Typical Physical Characteristics

Property	Temp	Units	ASTM Method	Typical Results
Viscosity Grade	-	SAE	-	50
Kinematic Viscosity	@ 40°C	cSt	ASTM D7279	228.1
Kinematic Viscosity	@ 100°C	cSt	ASTM D7279	19.73
Viscosity Index	-	-	ASTM D2270	99
Flash Point (COC)	-	°C	ASTM D92	260
Pour Point	-	°C	ASTM D97	-21
Density	@ 20°C	g/ml	ASTM D4052	0.8854
Total Base No	-	mg KOH/gm	ASTM D2896	10

These characteristics are typical of current product methods whilst future production will conform to Puma Lubricants specifications, variations in these physical characteristics may occur.

Health & Safety Environment

- > This product is unlikely to present any significant health and safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.
- > Avoid contact with eyes and skin, use proper impervious gloves with used oil. After skin contact, wash immediately with soap and water. Guidance on health and safety is available on the appropriate Safety Data Sheet (SDS) which can be obtained from sds.pumaenergy.com.au

Protect the Environment

- > Take used oil to an authorized collection point. Do not discharge used or new oil into drains, soil or water.

Additional Information

- > Technical advice on any applications not covered here may be obtained from your Puma Energy Representative.