

Marine Air Compressor Oil

L-DAC 46, 68, 100, 150

Product Description

PetroChina Lubricant Company's L-DAC Compressor Oil series has supreme performance for the lubrication of heavy duty reciprocating air compressors used in industrial and marine applications. They are engineered to meet or exceed the stringent requirements of the major compressor manufacturers. They are formulated with superior synthetic base stocks and a high technology additive system that assures exceptional equipment protection and reliability for compressors operating under conditions where mineral oil-based products are not meeting expectations.

Applications

The L-DAC air compressor oil series is recommended for single and multistage air compressors used in marine, industrial and mobile applications air compressors. They are particularly effective in heavy service application.

Features

- Ensure wide temperature range capability and extended service life
- Outstanding oxidation and thermal stability reduces deposit formation
- Low ash and carbon formation to improve valve performance and reduce deposits in discharge lines.
- High load-carrying ability to reduce wear of bearings and gears
- Excellent water separation decreases the sludge formation in crankcases and less potential for emulsion formation
- Effective rust and corrosion protection to improve protection of internal compressor components
- Good compatibility with all metals and sealing materials used in the compressor.

Specifications

Properties		DAC 46	DAC 68	DAC 100	DAC 150	Test Methods
ISO Viscosity Grade		46	68	100	150	
Kinematic Viscosity (40°C)	mm ² /s	45.80	66.26	100.1	141.3	ASTM D445
Total Acid Number	mg KOH/g	0.23	0.23	0.33	0.33	ASTM D2896
Density at 15°C	Kg/m ³	840.1	851.1	948.1	953.1	ASTM D4052
Density at 20°C	Kg/m ³	837.0	848.0	945.0	950.0	ASTM D4052
Viscosity Index		145	145	145	141.3	ASTM D2270
Flash Point (open)	°C	254	254	280	280	ASTM D92
Pour Point	°C	-51	-36	-30	-30	ASTM D97
Rust Characteristics (A)		Pass				ASTM D665
Copper Strip Corrosion, (100°Cx3h) grade		1a				ASTM D130
FZG Gear Test	grade	12				DIN 51534

* Above product typical properties are indicative and subject to change without prior notice

Storage and Handling

- All containers, tanks, pipelines and valves has to be cleaned thoroughly and inspected to be clean for use before being used to transfer or transport DAC 46, 68, 100, 150 to prevent contamination.
- Storage tanks/equipment must be dedicated and is recommended to be stored in an indoor and controlled environment.
- Storage tanks/equipment must be waterproof, mist-proof and free from other mechanical particles.
- Product must be labelled clearly and properly during the entire transportation process to prevent mixing of other petrol-chemical product into the air compressor oil.