

COMP-PLUS PAO-AC 46

COMPRESSOR OILS

321502201

DYADE
LUBRICANTS



POLYALPHAOLEFIN (PAO) AIR COMPRESSOR LUBRICANTS

Our product is a blend of top-quality synthetic PAO and ester base fluids, along with specially formulated additives. It is highly effective in providing long-term lubrication for screw, centrifugal, or reciprocating (piston-type) air compressors. These 100% synthetic oils are ideal for applications that require maximum compatibility with seals, paints, and plastics. COMP-PLUS PAO - AC 32, COMP-PLUS PAO - AC 46, and COMP-PLUS PAO - AC 68 are intended for use in rotary screw and centrifugal air compressors, and can offer a typical service life of up to 8,000 hours or more under standard industrial operating conditions. COMP-PLUS PAO - AC 100, COMP-PLUS PAO - AC 150, and COMP-PLUS PAO - AC 220, on the other hand, are formulated for use in rotary vane and reciprocating compressors. Our product offers reduced compressor maintenance with very long drain intervals, up to 8 times longer than mineral oils. With low friction properties and resistance to viscosity increase from oxidation, it improves operating efficiency

and helps save money on energy consumption. Additionally, it has excellent foam control that reduces heat, oxidation, and wear, and protects high-contact regions from wear to increase compressor life and efficiency. Its enhanced water separation properties help prevent unwanted oil/water formation, and it is fortified with anti-rust agents that make water easily drainable for simplified environmental discharge and increased oil life. It also has increased resistance to varnish, carbon, and acid formation, providing better protection and longer service life than petroleum oils, especially during hot operating conditions. Its low volatility means fewer problems with the oil getting into air tools, instruments, or the production process, and there is less oil to remove in the air/oil separators and fewer air filter changes. Moreover, its low carbon forming tendencies and relatively high flash, fire, and auto-ignition points significantly reduce fire and explosion possibilities. With a high viscosity index, it maintains adequate viscosity for proper lubrication regardless of temperature change, and it has excellent cold temperature starting and pumpability. Finally, it is compatible with all types of seals and coatings.

CATEGORY

- Compressor- and Vacuum Pump Fluids

BENEFITS

- This product offers high performance protection of compressors in extreme conditions: high load and temperatures, compressing reactive and dirty gases, intermittent operation, in warm or cold climates and in mobile applications.

PROPERTY	METHOD	VALUE
ISO Viscosity Grade	ASTM D2422	46
Viscosity index, min	ASTM D2270	140
Viscosity @ 40 °C, mm ² /s	ASTM D445	46
Viscosity @ 100 °C, mm ² /s	ASTM D445	8
Flash point (min), °C	ASTM D92	220
Pour point (max), °C	ASTM D97	-45
Copper corrosion 24h @ 100 °C	ASTM D130	1a
Demulsibility @ 54 °C	ASTM D1401	excellent
Density @ 15 °C, kg/dm ³	ASTM D1298	0.86
FZG	ASTM D5182	>12

All data on this technical data sheet is indicative only

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