

COMP-PLUS DI-EST 100

COMPRESSOR OILS

321500901



SYNTHETIC DI-ESTER BASED COMPRESSOR LUBRICANT

This product is made up of top-quality synthetic ester base fluids and specifically designed additive systems. It is highly effective for long-term lubrication in various compressors, such as screw, rotary vane, reciprocating (piston type), roots (lobe), claw, and vacuum pumps. This synthetic compressor lubricant can be used in the presence of different gases (as shown in the table below). It has a nominal operating range of -15°C to 230°C. The synthetic compressor lubricant offers exceptional protection for machines operating under harsh conditions, including high loads and temperatures, compression of reactive and contaminated gases, intermittent operation, and in hot or cold climates, as well as for mobile applications. This product is suitable for lubricating screw, rotary, and reciprocating air and gas compressors, as well as vacuum pumps. Additionally, it can be used as ashless technology hydraulic oil.

PROPERTY	METHOD	VALUE
ISO Viscosity Grade	ASTM D2422	100
Viscosity index	ASTM D2270	87
Viscosity @ 40 °C, mm ² /s	ASTM D445	90
Viscosity @ 100 °C, mm ² /s	ASTM D445	10.3
Flash point C.O.C., °C	ASTM D92	250
Pour point, °C	ASTM D97	-33
Demulsibility	ASTM D2711	excellent
Evaporation 22 hrs@ 99 °C, wt % g/10g	ASTM D972	<1
Copper corrosion	ASTM D130	1a
Density @ 15 °C, kg/dm ³	ASTM D1298	0.95

CATEGORY

- Compressor- and Vacuum pump Fluids

BENEFITS

- Reduced compressor maintenance with very long drain intervals. Up to 8 times the service life of mineral oils
- Low friction properties and resistance to viscosity increase from oxidation. This helps to improve operating efficiency and saves money
- Excellent foam control, reducing heat, oxidation and wear. High contact regions are protected against wear for increased equipment life and efficiency on electrical energy consumption
- Enhanced water separation. Water from condensation can cause unwanted oil/water emulsions, environmental discharge hazards and rust. This synthetic compressor lubricants resist acid formation, readily separate from water and is anti-rust fortified. Water can be easily drained off for simplified environmental discharge and increased oil life
- Increased resistance to varnish, carbon and acid formation. Providing better protection and longer service life than petroleum oils, especially during hot operating conditions
- Low volatility, resulting in lower evaporation losses and fewer problems with the oil getting into air tools, instruments or even the production process. It also means there is less oil to remove in the air/oil separators and fewer air filter changes
- Fire and explosion possibilities are greatly reduced due to the low carbon forming tendencies and due to the relatively high flash, fire and auto ignition points
- Operating temperature reduction. Its synthetic compressor lubricants cool and remove heat more efficiently

All data on this technical data sheet is indicative only

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