MOL LUBE
British High Performance Lubricants

TECHNICAL DATA SHEET

Industrial Lubricants

MOL-COM AIR PAO
Series

Product Description:
MOL-COM AIR PAO series compressor lubricants have been specifically designed for use in rotary screw air compressors. They are a fully formulated, fully synthetic blend of PAO (polyalpha olefins) thus take advantage of the excellent performance attributes of this unique synthetic base oil. In addition, due to the inherently high viscosity index of these lubricants, no additional VI improvers are required in the formulation and so the products remain stable to shear forces and do not suffer any irreversible effects. They also have good compatibility with natural rubber and synthetic seal technology.

Features:
- High oxidative stability,
- Hydrolytically stable.
- Resistant to sludge and varnish formulation.
- High viscosity index,
- Excellent elastomeric seal compatibility,

Applications:
MOL-COM AIR PAO is primarily intended for rotary screw and vane compressors. It is particularly effective for continuous high temperature operation with discharge temperatures up to 200º C. These oils are recommended for units with a history of excess oil degradation, poor valve performance or deposit formation. They are compatible with all metals used in compressor construction and with conventional mineral oil-based air compressor oils but admixture with other oils may detract from the total performance capability.

Storage and Packing Conditions:
- Should be stored sealed under normal storage conditions. Shelf life in original package and at room temperature is 2 years.
- Available in 20 LT Pails, 208 LT Drums and 1000 LT IBCs.

Human Health and Work Safety:
- Normal safety precautions (gloves and safety goggles) Should be employed
- Avoid eye and prolonged skin contact.
- Wash thoroughly after handling material.
- Don't discharge used oil in drains, dispose to an authorized used oil collection point
- For more information, please see the Material Safety Data Sheet (MSDS).

Physical and Chemical Conditions:

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MOL-COM AIR PAO	Method	Unit	46	68
Appearance	Visual	-	B&C	B&C
Density @ 15º C	ASTM D 4052	g/cm^3	0.840	0.842
Kinematic Viscosity @ 40º C	ASTM D 445	cSt	46	68
Viscosity Index	ASTM D 2270	-	139	145
Flash Point, (COC)	ASTM D 92	ºC	260	262
Pour Point	ASTM D 97	ºC	-47	-45
Corrosion Test	ASTM D 665	-	Passes	Passes
Copper Corrosion @ 3 hours, 100 º C	ASTM D 130	ºC	1b	1b
Foam Tendency	ASTM D 892	-	Nil	Nil