

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, vane compressors and piston compressor. It is particularly effective for continuous high temperature operation with discharge temperatures up to 200° 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:

MOL-COM AIR PAO	Method	Unit	32	46	68	100	150
Appearance	Visual	-	B&C	B&C	B&C	B&C	B&C
Density @ 15° C	ASTM D 4052	g/cm ³	0.838	0.840	0.842	0.847	0.849
Kinematic Viscosity @ 40° C	ASTM D 445	cSt	32	46	68	100	150
Kinematic Viscosity @ 100° C	ASTM D 445	cSt	6.3	8.5	11.6	15.3	21.1
Viscosity Index	ASTM D 2270	-	133	139	145	147	148
Flash Point, (COC)	ASTM D 92	°C	256	260	262	265	265
Pour Point	ASTM D 97	°C	-47	-47	-47	-47	-47
Corrosion Test	ASTM D 665	-	Passes	Passes	Passes	Passes	Passes
Copper Corrosion @ 3 hours, 100 ° C	ASTM D 130	°C	1b	1b	1b	1b	1b
Foam Tendency	ASTM D 892	-	Nil	Nil	Nil	Nil	Nil