



PRODUCT DATA SHEET



SYNTHETIC PAO LUBRICANT

Synthetic PAO Lubricant series are high performance synthetic lubricants that provide outstanding anti-wear and varnish control properties for rotary screw, heavy-duty service reciprocating compressors and other extreme service applications. **Synthetic PAO Lubricant** is formulated with synthetic PolyAlphaOlefin (PAO), Alkylated Naphthalene (AN) and performance-enhanced additives. Assisted by a properly administered used oil analysis program, the well-balanced formulation can extend oil change intervals up to 10,000 operating hours in oil injected rotary screw compressors. The anti-wear and anti-rust properties of **Synthetic PAO Lubricant** extend equipment service life while maintaining a high level of energy efficiency and performance.

Applications

- ◆ Rotary screw compressors
- ◆ Heavy-duty service reciprocating compressors
- ◆ Anti-friction bearings, hydraulic systems, chain drive systems, power transmission reservoirs

Features and Benefits

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|--------------------------------|--|
| ◆ Full synthetic base fluids | Wide useful temperature ranges from -54°C to 149°C (-65°F to 300°F). |
| ◆ Anti-wear performance | Reduces friction and wear. Extends equipment life. |
| ◆ Deposit control | Prevents the formation of sludge and varnish that interfere with compressor operation. |
| ◆ Rust and oxidation stability | Reduces carbon and varnish build-up. |
| ◆ Low pour point | Easy start-up at low temperature. |

General Description


Synthetic PAO Lubricant is formulated for use where synthetic PAO-based oil is needed. It is dyed purple for easily leak detection. **Synthetic PAO Lubricant** exhibits excellent anti-wear properties; high Viscosity Index; exceptional water separability; foam resistance; rust, corrosion and oxidation protection properties.

Synthetic PAO Lubricant is filtered through a 2-micron filter system to achieve the highest industrial cleanliness standard.

Product No. 301063, 300932, 301585, 301244

SYNTHETIC PAO LUBRICANT

TYPICAL PROPERTIES

<u>Product No.</u>	<u>301063</u>	<u>300932</u>	<u>301585</u>	<u>301244</u>
<u>Old Product No.</u>	<u>63530</u>	<u>63550</u>	<u>63560</u>	<u>63570</u>
ISO Viscosity Grade	32	46	68	100
Viscosity, ASTM D445				
@ 40°C, cSt	30.6	47.3	69.0	107
@ 100°C, cSt	5.77	7.78	10.4	14.5
Viscosity Index, ASTM D2270	133	133	137	139
Base Oil Type	 Synthetic PAO and AN			
Pour Point, ASTM D97				
°C	-58	-54	-50	-48
(°F)	(-72)	(-65)	(-58)	(-54)
Copper Strip Corrosion, ASTM D130				
24 hrs @ 121°C, rating	1b	1b	1b	1b
Rust Test, ASTM D665, Procedure A & B	Pass	Pass	Pass	Pass
Demulsibility, ASTM D1401				
oil/water/emulsion, ml/ml/ml (min)	40/40/0 (10)	40/40/0 (10)	40/40/0 (10)	40/40/0 (10)
Foam Test, ASTM D892	Nil	Nil	Nil	Nil
Oxidation Stability by RPVOT or RBOT				
ASTM D2272, min	>2,000	>2,000	>2,000	>2,000
4-Ball Wear Test, ASTM D4172				
@ 1200 rpm, 40 kg, 1 hr, 75°C				
Scar diameter, mm	0.40	0.40	0.40	0.40
Flash Point, ASTM D92				
°C	252	266	270	254
(°F)	(486)	(511)	(518)	(489)
Specific Gravity, ASTM D1298, 60/60°F	0.838	0.840	0.846	0.851
Color	Fuchsia	Fuchsia	Fuchsia	Fuchsia