



LUBRICANTS



Product Data Sheet

Compressor Synthetic PAO Lubricant

Advanced Synthetic Compressor Lubricant

Polyalphaolefin (PAO) based full synthetic lubricants for use primarily in air and gas compressors. Designed to provide full lubricant protection in demanding compressor service with much longer service life than conventional mineral oil compressor fluids. They are designed to withstand sustained extreme temperatures over a very long service life.

Features and Benefits

- Wide operating temperature range with excellent low temperature flow
- Very stable in oxidation-prone environments such as rotary screw air compressors
- Resists deposit formation, compatible with most hoses and seals
- Compatible with conventional mineral type oils*
- Strong protection against rust and corrosion, even in acidic environments
- Excellent water separation, foam resistance and air release properties

Applications

- **ISO 32, 46 or 68** are recommended for use in flooded rotary screw and vane compressors
- **ISO 100 or 150** grades are recommended for reciprocating compressors.
- All grades are compatible with carbon dioxide, ammonia and hydrocarbon gases (where solubility of the hydrocarbon gas being processed into the lubricant is desired/acceptable).

Typical Properties

ISO Viscosity Grade	Test Method	32	46	68	100	150
Product Code		338101	338102	338103	338104	338105
Viscosity, cSt @ 40°C	ASTM D-445	32	44.6	65	95	144
Viscosity, cSt @ 100°C	ASTM D-445	5.8	7.4	9.5	12.1	17.0
Viscosity Index	ASTM D-2270	125	130	126	119	129
Pour Point, °F (°C)	ASTM D-97	-83(-63)	-76(-60)	-51(-46)	-40(-40)	-24(-31)
Flash Point, COC, °F (°C)	ASTM D-92	455(235)	522(272)	554(290)	540(282)	522(277)
Copper Strip Corrosion	ASTM D-130	1A	1A	1A	1A	1A
Four Ball Wear, 40k	ASTM D-4172	0.7	0.7	0.5	0.5	0.6
Specific Gravity @ 60°F		0.85	0.863	0.871	0.875	0.88

These properties are typical of current production, minor variations are to be expected in normal manufacturing.

Rev. 05/21



1-800-566-4853



East Greenbush, NY



www.nu-tierbrands.com

