

PRODUCT INFORMATION

ECOSE[®] PAO COMPRESSOR FLUIDS

ECOSE[®] PAO Compressor Fluids are polyalphaolefin (PAO) based full synthetic lubricants for use primarily in air and gas compressors. They are 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 long service life for reduced compressor maintenance
- Very good water separation, foam resistance and air release properties
- Compressor gearbox wear protection and efficiency advantage.

Note: * After mineral oil use, drain and flush is recommended for full benefit.

APPLICATIONS:

ECOSE[®] PAO Compressor Fluids 32, 46 or 68 are recommended for use in flooded rotary screw and vane compressors; **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		32	46	68	100	150
Product Code	Test Method	538101	538102	538103	538104	538105
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, 1200 rpm 75°C, 40kg, 1 hr, mm	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
Density, Lbs/gal		7.08	7.1	7.25	7.29	7.33

AVAILABILITY:

ECOSE[®] PAO Compressor Fluids are available throughout Nu-Tier Brands’ marketing area. Your Nu-Tier representative can provide specific information. Need additional information? Call Nu-Tier Brands @ 1-877-771-LUBE (5823) or visit Nu-tierbrands.com.