

Techtrol Gold Synthetic Lubricant

Is the performance of your Centac compressor critical to your compressed air system?

Centac Techtrol Gold offers the latest coolant technology in synthetic and mineral based Fluids. The items listed below represent just a few of the benefits obtained with Centac Techtrol Gold over conventional mineral based fluids.

By introducing the Techtrol Gold fluid, Ingersoll Rand continues to lead the way with new and innovative products for Centac compressors.

Property	Test Method	Performance
Viscosity Index	ASTM D2270	142
Viscosity, cST (SUS)		
@ 0 °F / -17.8 °C	ASTM D445	689 (3190)
@ 100 °F / 37.8 °C	ASTM D445	26.7 (127)
@ 104 °F / 40 °C	ASTM D445	24.6 (118)
@ 210 °F / 98.9 °C	ASTM D445	5.24 (43.4)
@ 212 °F / 100 °C	ASTM D445	5.31 (43.1)
Pour Point, °F (°C)	ASTM D97-98	-40 (-40)
Flash Point, COC °F (°C)	ASTM D92	450 (232)
Flash Point, PMCC °F (°C)	ASTM D93-85	390 (199)
Copper Strip Corrosion, 3hrs. @ 212°F/100°C	ASTM D130	1B
Specific Gravity	ASTM D941	0.98
Ferrous Metal Corrosion (Rust Test)	ASTM D665A	Pass
Foam Tendency (Sequence I, II, III)	ASTM D892	0 (Nil)
Density (Grams per cc @ 25°C)	ASTM D941	0.98
Total Acid Number	ASTM D664	0.10
pH	ASTM D664	8

Ingersoll Rand's Techtrol Gold lubricant is designed to provide the same superior performance over mineral oils that the industry has come to expect from Ingersoll Rand synthetic lubricants.



Features & Benefits

- Extended operating life
- Elimination of deposits and build up caused by fluid breakdown
- Superior film strength protects against metal-to-metal contact
- Environmentally friendly
- Exceeds Centac compressor lubricants specifications



Techtrol Gold Synthetic Lubricant

Properties	TECHTROL GOLD	Most Standard Mineral Fluids
Base Stock	Premium	Medium to Low Grade
Operating Life	24000 hours	8000 hours or less
Deposits and Build up	Eliminates	Possible
Film Strength	Superior	Acceptable
Environmental Considerations	Superior	Acceptable
Water Separation	Superior	Poor to Excellent
Ability to meet CENTAC specifications	Exceeds	Possible

MATERIAL COMPATIBILITY

SEALING MATERIALS:

Techtrol Gold is compatible with almost all elastomers used in seals, o-rings, and gaskets in air compressors:

Compatible

Butyl Rubber
 Ethylene Propylene Rubber (EPR)
 Ethylene Propylene Terpolymer (EPT, EPDM)
 High Nitrile Buna N₁
 Medium Nitrile Buna N₂
 Neoprene
 (Nylon) Polyamide
 Polyethylene
 Polyurethane Foam
 Silicone Rubber
 Teflon₃
 Viton₃
 Loctite 567₅
 Loctite 515₅

Not Compatible

Low Nitrile Buna N₄
 Natural Rubber
 Polyurethane Elastomers
 Permatex Form A Gasket #15
 Permatex Form A Gasket #25

NOTES

- 1 (>36% acrylonitrile)
- 2 (30-36% acrylonitrile)
- 3 (Registered Trademark of E.I. Dupont Corporation)
- 4 (<30% acrylonitrile)
- 5 (Registered Trademark of Lotite Corporation)

PLASTICS:

As with most synthetic lubricants, the compatibility of most plastics with Techtrol Gold depends largely upon use temperatures. All compatibility studies have been performed at elevated temperatures.

Compatible

Celcon₁
 Delrin₂
 Epoxy Resins
 Epoxy/Phenolic Resins Polyvinyl Chloride (PVC)
 Fluorocarbons
 Nylon (Polyamide)
 Polyethylene
 Polypropylene
 Teflon

Not Compatible

Acrylics
 Acrylonitrile Butadiene Styrene (ABS)
 Polycarbonate

- 1 Registered trademark of Celanese Corporation
- 2 Registered trademark of E.I. Dupont Corporation

PAINTS:

The following table lists the compatibility of Techtrol Gold III with **cured** paints:

Compatible

Baked Phenolics
 Epoxy

Not Compatible

Acrylic Polyurethane
 Lacquer Varnish