

Centrifugal Compressor Lubricant

Techtrol Gold CL and TL

Techtrol Gold is an engineered synthetic coolant specifically designed to help centrifugal compressors (Techtrol Gold CL for MSG® Centac®, Techtrol Gold TL for MSG® TURBO-AIR®) maintain peak performance over a full range of operating temperatures, maximizing cost savings and reliability.



When compared to mineral-based lubricants, Techtrol Gold synthetic coolant offers significant advantages.

Techtrol Gold Lubricant Features

- **Premium base stock** provides exceptional performance, surpassing all mineral-based lubricants
- **Extended operating life** of three years (24,000 hours), reducing fluid disposal frequency and costs
- **Eliminates deposits** and build-up of debris caused by fluid breakdown allowing bearings to run cooler, minimizing downtime and costs
- **Superior film strength** protects against metal-to-metal contact
- **Stable viscosity** over a wide temperature range ensures optimized compressor performance and efficiency, even in varying environmental conditions and mechanical loads
- **Exclusive blend** formulated specifically for Ingersoll Rand centrifugal compressors that exceeds lubricant specifications to assure consistent quality



Techtrol Gold CL for
MSG Centac



Techtrol Gold TL for
MSG TURBO-AIR

Typical Properties of Techtrol Gold

Property	Test Method	Techtrol Gold CL for MSG Centac	Techtrol Gold TL for MSG TURBO-AIR
Viscosity Index	ASTM D2270	142	147
Viscosity, cST (SUS)			
@0°F/-17.8°C	ASTM D445/D7042	689 (3,190)	2,062 (9,370)
@100°F/37.8°C	ASTM D445/D7042	26.7 (127)	41 (190)
@104°F/40°C	ASTM D445/D7042	24.6 (118)	37 (172)
@210°F/98.9°C	ASTM D445/D7042	5.24 (43.4)	7 (49)
@212°F/100°C	ASTM D445/D7042	5.31 (43.1)	6.9 (48)
Pour Point, °F (°C)	ASTM D97-87	-40 (-40)	-65 (-54)
Flash Point COC, °F (°C)	ASTM D92	450 (232)	444 (229)
Specific Gravity	ASTM D941	0.98	0.95
Ferrous Metal Corrosion (rust test)	ASTM D665A	Pass	Pass
Foam Tendency (Sequence I, II, III)	ASTM D892	0 (Nil)	I: 20 ml/0 II: 0 ml/0 III: 20 ml/0
Density (grams per cc @25°C)	ASTM D941/D7042	0.98	0.946
Total Acid Number, mg	ASTM D664	0.1	0.25
pH	ASTM D664	8	5.6

Suitable for Non-Ingersoll Rand Centrifugal Compressors

Techtrol Gold is versatile enough to meet the requirements of most centrifugal compressor brands and their applications — check manufacturer's specifications to see which type is best for your system. Contact us to benefit from the extended lubricant life and premium performance that Techtrol Gold provides.



CARE Maintenance Programs | RELIABILITY FOR LIFE

Compressed air is critical to your operation. A proper maintenance strategy is crucial to avoiding unplanned, unbudgeted downtime and production interruptions. By choosing an Ingersoll Rand CARE maintenance service program — from full risk transfer to routine maintenance or parts coverage — you are investing in your future with a trusted global partner.



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