



# 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<sup>®</sup> Centac<sup>®</sup>, Techtrol Gold TL for MSG<sup>®</sup> TURBO-AIR<sup>®</sup>) 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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