



CITGO COMPRESSORGARD® SS

Date 08/11

DESCRIPTION: CITGO CompressorGard SS fluids are semi-synthetic lubricants designed for rotary screw and reciprocating compressors in natural gas service. The thermal and oxidation stability of these products are superior to conventional petroleum products. CITGO CompressorGard SS fluids contain a balanced additive system to inhibit rust and corrosion, reduce bearing wear, minimize foaming and inhibit the corrosive effects of hydrogen sulfide.

QUALITIES: When compared with conventional petroleum products, CITGO CompressorGard SS fluids offer:

- Low vapor pressure to reduce oil carryover to the compressed gas stream.
- Oxidation and thermal stability to reduce valve deposit formation that in turn lowers the risk of fires and reduces valve maintenance.
- Wide operating temperature range attributable to high viscosity index and low pour point.
- Inhibition against hydrogen sulfide corrosion for longer component life.

CITGO CompressorGard SS fluids are compatible with the same system elastomers and seals as used with petroleum products.

APPLICATIONS: CITGO CompressorGard SS fluids are recommended for use in rotary screw, vane and reciprocating compressors.

TYPICAL PROPERTIES:

CITGO COMPRESSORGARD® SS

ISO Viscosity Grade	100	150
Material Code	632554001	632555001
API Gravity, °API		
ASTM D 4052	—	27.6
ASTM D 287	29.41	—
Density, lb/gal	7.33	7.36
Specific Gravity, 60°/60°F	0.879	0.884
Flash Point, ASTM D 92, °F (°C)	504 (262)	504 (262)
Viscosity, ASTM D 445, cSt at 40°C	99	154
cSt at 100°C	15.1	20.1
Viscosity Index, ASTM D 2270	161	151
Pour Point, ASTM D 97, °F (°C)	-38 (-39)	-36 (-38)
Copper Corrosion, ASTM D 130	1A	1A
Four Ball Wear, 1200 rpm		
ASTM D 4172, mm Scar at 40kg	0.48	0.45
Rust Test, ASTM D 665	Pass	Pass
Foam Test, ASTM D 892		
Sequence I	0/0	0/0
Sequence II	10/0	10/0
Sequence III	0/0	0/0