



TriboDyn® Tri-Guard™ 4046 Rotary Screw Synthetic Compressor Oil

Product Description: TriboDyn® Tri-Guard™ 4046 Rotary Screw Synthetic Compressor Oil is based on a very thermally and oxidatively stable synthetic base oil designed for use in a wide variety of rotary screw air compressors. Is specially formulated with advanced proprietary **Tri-Guard™ PAO additive technology** that offers an exceptional level of protection against heat, wear, rust, and corrosion, as well as outstanding resistance against oxidation and thermal breakdown. Under normal operating conditions you can expect extended drain cycles and experience up to 8,000 – 10,000 hours of use, reduces energy consumption, is non-toxic/non-hazardous, and has a high flash point. **TriboDyn® Tri-Guard™ 4046 Rotary Screw Synthetic Compressor Oil** is designed to control foam for improved film strength, excellent resistance to varnish under high temperature applications and minimize impact from airborne contaminants. **TriboDyn® Tri-Guard™ 4046 Rotary Screw Synthetic Compressor Oil** is used where maximum seal, paint, plastic, and rubber compatibility is required and when an excellent resistance to corrosion is needed. It provides outstanding service — even in the most severe operating conditions, extends equipment life and helps improve facility uptime.

Applications: TriboDyn® Tri-Guard™ 4046 Rotary Screw Synthetic Compressor Oil is designed for rotary screw air compressors that require an ISO 46 non-detergent compressor oil. Oil life is dependent on operating conditions and maintenance practices – a regular oil analysis program is recommended. **NOT RECOMMENDED** for breathing air or refrigeration compressors. **NOT COMPATIBLE WITH** silicones or polyglycol (PAG) fluids. **TriboDyn® Tri-Guard™ 4046 Rotary Screw Synthetic Compressor Oil** is compatible with most synthetic and/or conventional compressor oils.

Directions for use: Follow the compressors manufacturer's ISO or SAE weight recommendations and all other OEM specifications. It exceeds warranty requirements for all major manufacturers including Aerzener, Ari Compressor Supply, Inc., Airman PDS, Atlas Copco Compressors, Champion, Chicago Pneumatic, ConX Equipment, Curtis-Toledo, Inc., ELGi Compressors, FS-Elliott Co., LLC, Gardner Denver, Hertz Kompressoren, Howden, Ingersoll Rand, Kaeser Compressors, Kaishan Compressor, KTC, Mark Compressor, Mattei Compressors, Inc., Quincy Compressor, Inc., Vanair Manufacturing, Inc. as well as other makes and models of rotary screw air compressors.

Typical Properties

Typical Properties	Test Method	TRI-GD-4046RS
ISO Viscosity Grades	ASTM D2422	46
@ 100° C, cSt	ASTM D445	7.5
@ 40° C, cSt	ASTM D445	46
Viscosity Index	ASTM D2270	128
Pour Point, °C (°F)	ASTM D97	-60°C (-51°F)
API Gravity	ASTM D4052	33.0
Flash Point, °C (°F)	ASTM D92	244 (465)
Copper Strip Corrosion	ASTM D130	1b
Foam Test	ASTM D892	Pass
Total Acid Number	ASTM D664	0.02

Packaging: Tote, Drum, Pail, Gallon, Quart *Private label opportunities available*

The information and recommendations in this product data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.