Mecha Tool® Rotary Screw ISO 46
Synthetic Air Compressor Oil



Mecha Tool® Synthetic Rotary Screw Air Compressor ISO 46 is a non-detergent oil for industrial rotary screw air compressors. It is formulated to extend lubricant life with minimal formation of carbon and varnish deposits.

It is especially recommended for compressors in continuous service with discharge temperatures up to 85 °C / 185 °F. Under these conditions, one oil fill can last up to 8,000 hours (approximately one year) of continuous operation, at least four times longer than a conventional mineral compressor oil.

Although designed for rotary screw compressors, it can also be used in reciprocating compressors for a maximum of 500 hours, with discharge temperatures up to 150 °C / 302 °F, and in centrifugal compressors for up to 3 years, with discharge temperatures up to 50 °C / 122 °F. Its anti-wear protection makes it suitable for a wide range of service conditions.

PRODUCT FEATURES

- **Excellent foam control:** prevents foam formation, which maintains lubricant film strength and promotes heat dissipation.
- **High oxidation stability:** resists oxidation and minimizes carbon and varnish buildup.
- **Excellent demulsibility:** promotes water separation and protects against corrosion and rust.
- Anti-wear protection: extends component life in continuous-duty applications.

HEALTH, SAFETY AND ENVIRONMENT

Prolonged or repeated contact with oil may cause skin disorders. Avoid contact and, if it occurs, wash immediately with soap and water. Do not discharge used oil into drains or the environment; dispose of it through an authorized collection point. Before handling the product, consult the current safety data sheet (SDS) at www.mandjsunshine.com.

TEST / DESCRIPTION	TEST STANDARD	SPECIFICATION
ISO viscosity grade	-	46
Viscosity at 40 °C, cSt	ASTM D445	45
Viscosity at 100 °C, cSt	ASTM D445	8.08
Viscosity index	ASTM D2270	154
Flash point, °C	ASTM D92	252
Fire point, °C	ASTM D92	350
Copper corrosion (121 °C, 3 hours)	ASTM D130	1B

MADE IN USA

ROTARY SCREW ISO 46