

Description

MaxFluid Compressor Oil DE 46 is a premium quality rotary air compressor lubricant developed to provide reliable lubrication and long service life in oil-injected rotary screw and rotary vane air compressors. Formulated with high quality base oils and an advanced ashless additive system, it delivers excellent oxidation resistance, wear protection, deposit control, and efficient water separation under demanding operating conditions.

The lubricant is designed to help maintain compressor efficiency, reduce maintenance requirements, and provide dependable protection for compressors operating under continuous industrial service.

Performance Features & Benefits

Excellent Oxidation & Thermal Stability

Formulated to resist oxidation and thermal degradation at elevated operating temperatures, helping to extend lubricant service life while minimizing sludge, varnish, and carbon deposits.

Outstanding Wear Protection

Advanced ashless anti-wear technology protects bearings, gears, rotors, and other critical compressor components against wear, extending equipment life and reducing maintenance costs.

Superior Deposit Control

Helps maintain clean compressor internals by minimizing deposits on rotors, separators, oil coolers, and discharge systems, contributing to consistent operating efficiency.

Efficient Air Release & Low Foaming

Excellent air release characteristics and controlled foam formation ensure reliable lubrication, stable compressor operation, and uninterrupted compressed air delivery.

Excellent Water Separation

Rapid demulsibility enables quick separation of water contamination, reducing corrosion risks and supporting dependable compressor performance in humid operating environments.

Corrosion & Rust Protection

Provides effective protection against rust and corrosion on internal metal surfaces during operation and equipment shutdown periods.

Applications

MaxFluid Compressor Oil DE 46 is recommended for:

- Oil-injected rotary screw air compressors
- Rotary sliding vane air compressors
- Industrial compressed air systems
- Continuous-duty manufacturing operations
- Workshop and production compressors
- Compressors operating under normal to severe service conditions

Performance Standards

MaxFluid Compressor Oil DE 46 is formulated to meet or exceed the performance requirements of:

- ISO 6743-3 L-DAJ
- DIN 51506 VDL (performance level)
- ISO VG 46 (ISO 3448)

Product Advantages

- Long lubricant service life
- Excellent oxidation resistance
- Outstanding wear protection
- Excellent thermal stability
- Rapid air release
- Low foaming tendency
- Excellent water separation
- Reliable corrosion protection
- Helps reduce maintenance costs
- Maintains compressor efficiency

TYPICAL PHYSICAL CHARACTERISTICS

PROPERTIES	UNIT	METHOD	MaxFluid Compressor Oil DE 46
ISO Viscosity Grade	-	ISO 3448	46
Kinematic Viscosity @ 40°C	mm ² /s	ASTM D445	46
Kinematic Viscosity @ 100°C	mm ² /s	ASTM D445	6.9
Viscosity Index	-	ISO 2909	105
Density @ 15°C	kg/m ³	ASTM D1298	868
Pour Point	°C	ASTM D97	-30
Flash Point	°C	ASTM D92	230
Air Release	mins	ASTM D3427	3
Water Separability @ 54°C	mins	ASTM D1401	15

The values shown are typical characteristics and may vary within normal manufacturing tolerances.

Health and Safety

MaxFluid Compressor Oil DE 46 is manufactured to high quality standards and is intended for use in rotary air compressor systems. Under normal operating conditions and when handled correctly, the product is not expected to present significant health or safety hazards.

Avoid prolonged or repeated skin contact and prevent contact with eyes. Wear suitable personal protective equipment (PPE), including safety glasses and protective gloves, during handling. Ensure adequate ventilation in enclosed areas and avoid inhalation of oil mists.

In case of skin contact, wash thoroughly with soap and water. If the product enters the eyes, rinse immediately with plenty of clean water and seek medical advice if irritation persists. If swallowed, do not induce vomiting and obtain medical attention promptly.

Store in tightly sealed containers in a cool, dry, and well-ventilated area away from direct sunlight, excessive heat, and sources of ignition. Prevent spills from entering drains, waterways, or soil.

For detailed guidance on safe handling, storage, transportation, and disposal, refer to the latest Safety Data Sheet (SDS) for MaxFluid Compressor Oil DE 46.