

Description

MaxFluid Compressor Oil DE 100 & 150 are advanced fully synthetic air compressor lubricants developed by MAXFLUID for reciprocating air compressors operating under severe temperature and pressure conditions. Formulated with premium synthetic base fluids and advanced ashless additive technology, these lubricants provide outstanding oxidation stability, excellent wear protection, and superior resistance to carbon and varnish formation.

MaxFluid Compressor Oil DE Series is engineered to extend lubricant life, reduce maintenance requirements, and provide reliable protection for compressor components operating in demanding industrial and marine environments.

Performance Features & Benefits

Outstanding Oxidation & Thermal Stability

Premium synthetic base fluids resist thermal degradation and oxidation at elevated operating temperatures, extending lubricant service life and maintaining consistent performance.

Excellent Wear Protection

Advanced anti-wear technology protects cylinders, pistons, valves, bearings, and other critical compressor components, helping reduce wear and extend equipment life.

Low Carbon & Varnish Formation

The low deposit-forming formulation minimizes carbon build-up and varnish on valves and discharge lines, reducing maintenance requirements and improving compressor efficiency.

Ashless Additive Technology

The ashless formulation helps maintain excellent filterability, reduces filter blockage, and supports cleaner compressor operation.

Low Volatility

Superior volatility characteristics minimize lubricant evaporation and oil consumption, reducing top-up requirements and operating costs.

Excellent Air Release & Anti-Foam Performance

Rapid air release and outstanding anti-foam properties ensure efficient compressor operation while reducing cavitation and maintaining stable lubrication.

Superior Rust & Corrosion Protection

Protects internal metal surfaces against rust and corrosion, even in humid operating environments or during shutdown periods.

Excellent Water Separation

Outstanding demulsibility allows rapid separation of water contamination, helping maintain lubricant performance and equipment reliability.

Applications

MaxFluid Compressor Oil DE 100 & 150 are recommended for:

- Reciprocating air compressors
- Industrial air compressors
- Marine air compressors
- High-pressure compressor systems
- Process gas compressors where compatible synthetic lubricants are recommended

Product Advantages

- Fully synthetic compressor lubricant
- ISO VG 100 & ISO VG 150 viscosity grades
- Outstanding oxidation stability
- Excellent anti-wear protection
- Low carbon and varnish formation
- Ashless additive technology
- Low oil consumption
- Excellent filterability
- Superior air release and anti-foam properties
- Excellent rust and corrosion protection
- Outstanding water separation characteristics
- Extended lubricant and equipment life
- Reduced maintenance and operating costs

TYPICAL PHYSICAL CHARACTERISTICS

PROPERTIES	UNIT	METHOD	DE 100	DE 150
ISO Viscosity Grade	-	-	100	150
Density @ 20°C	kg/l	ASTM D4025	0.956	0.952
Kinematic Viscosity @ 40°C	mm ² /s	ASTM D445	93.5	152
Pour Point	°C	ASTM D97	-34	-33
Flash Point	°C	ASTM D92	262	290
Conradson Carbon Residue	%	ASTM D189	<0.02	0.02
Demulsibility @ 82°C	Oil/Water/Emulsion (min)	ASTM D1401	41/39/0 (25)	41/39/0 (15)

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

Suitable for Compressors Handling Gases Such As

- Air
- Natural Gas
- Methane
- Hydrogen
- Nitrogen
- Carbon Monoxide
- Carbon Dioxide (Dry)
- Helium
- Ethylene
- Propane
- Synthesis Gas
- Sulphur Hexafluoride
- Dry Hydrogen Sulphide
- Furnace (Cracked) Gas
- Butadiene

Typical operating temperature range: -15°C to 230°C

Always consult the compressor manufacturer before using the lubricant with process gases.

Health and Safety

MaxFluid Compressor Oil DE 100 & 150 are manufactured to high quality standards and are intended for professional industrial use. Under normal operating conditions and when handled correctly, these products are not expected to present significant health or safety hazards.

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

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

For detailed information regarding safe handling, storage, transportation, and disposal, refer to the latest Safety Data Sheet (SDS) for MaxFluid Compressor Oil DE 100 & 150.