

STANDARD COMPRESSOR OIL 46

TECHNICAL DATA SHEET

V.01/2024

1031



A compressor oil recommended for crankcase and cylinder lubrication of reciprocating air compressors, rotary vane, and screw compressors requiring mineral oils.

DESCRIPTION

STANDARD COMPRESSOR OIL 46 is premium quality reciprocating air compressor lubricant. It is based on a blend of specially selected base oils to provide a level of performance approaching that of synthetic oils. They are suitable for all reciprocating air compressors up to a discharge air temperature of 220°C.

ADVANTAGES / CUSTOMER BENEFITS

- Water separation properties - separates readily from water allowing excess water to be drained from the oil circulation system, thus preventing accelerated corrosion and a reduction in lubrication efficiency
- Prolonged service intervals - Allows the interval between valve and piston maintenance to be extended. Compressors can be kept in service for much longer periods operating at a consistently high level of efficiency.
- Oxidation resistance - Resistant to the formation of carbon deposits and lacquer on valves and piston crowns, caused by the by-products of corrosion, such as ferric oxides and hydroxides, at high working temperatures and pressures. Such deposits can cause serious damage, lower compressor efficiency and increase maintenance costs.
- Rusting and wear protection - Effectively protects all metal surfaces from corrosion.
- Protects all sensitive machinery parts.
- Air release and anti-foam properties - the additives ensure quick air release without excessive foaming.

APPROVALS / PERFORMANCE STANDARDS / SPECIFICATIONS

- DIN 51524 Part 1 (HL), DIN 51515 Part 1 (L-TD) & DIN 51515 Part 2 (L-TG)
- GEK 32568 F, 10941A, GEK 28143A & GEK 46506D
- AFNORE-48600
- BS489
- US Steel 120 & 126
- MILMIL-L-17572 D, -17331-B & -17331-G
- Cincinnati Machine P-38, P-45, P-54, P-55, P-57
- CEGB Standard 207001
- ABB HTGD90 117 V0001R 117

ENVIRONMENT, HEALTH and SAFETY

Information is available on this product in the Safety Data Sheet (SDS). Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. Ensure appropriate personal safety equipment is used when handling the product.

This product has a shelf life of 36 months when stored in a dry environment at ambient temperatures (10-30°C).

TYPICAL TECHNICAL CHARACTERISTICS

DESCRIPTION	METHOD	UNITS	RESULT
ISO/SAE Grade			46
Viscosity @ 40°C	ASTM D 2983	cSt	46
Viscosity @ 100°C	ASTM D 2983	cSt	7
Viscosity Index	ASTM D2270-77		105
Pour Point °C	ASTM D97	°C	-28.0
Flash Point °C	ASTM D93	°C	222
Density @ 20°C	ASTM D792	g/ml	0.86
Appearance	Visual		Bright & Clear
Colour	Visual		Pale Yellow

PACKAGING

5L / 20L / 210L / 1000L

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PHONE +27 11 827 5935
EMAIL jhb@swifts.co.za
ADDRESS 1 Molten St, Delville Ext 4, Germiston
Johannesburg, South Africa

