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Product Data Sheet (PDS)



INGEN COMPRESSOR OIL ISO 32/46/68/100 /150

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INGEN COMPRESSOR OIL

ISO-32/46/68/100/150



INGEN COMPRESSOR OIL ISO-32/46/68/100/150 is high performance, rust and oxidation inhibited petroleum-based compressor oil for the lubrication of reciprocating air compressors. Contains special ash less antioxidant, and corrosion and foam inhibitors.

APPLICATIONS:

- Single-stage and multi-stage reciprocating compressors with discharge temperatures up to 220°C.
- Reciprocating compressors where the manufacturer specifies DIN 51506 VDL oil.
- Air or inert gas reciprocating compressors.
Stationary, semi-portable and portable units.
- Compressors where the manufacturer specifies a non-detergent, R&O oil.
- Compression chamber and running gear of drip-feed rotary compressors (as appropriate).
- Not recommended for use in breathing air compressors

PERFORMANCE STANDARD

- German Standard DIN 51506 Group VDL
- Sperre Mek Verksted Approval (ISO 68)
- Sulzer-Burckhardt Approval (ISO 100, 150)

BENEFITS:

- Excellent oxidation stability and low carbon-forming tendency of the highly refined base oil and special inhibitor system reduces the build-up of harmful deposits on critical areas such as discharge valves, maintaining compressor performance under the severest operating conditions. The highly effective film forming corrosion inhibitor plates out on metal surfaces to protect against rust caused by moisture entering the system, particularly during shutdown and intermittent operation.
High oxidation stability also resists oil breakdown at high discharge temperatures in compressor crankcase applications, permitting long oil drain intervals.
- The effective anti-foam properties of the highly refined base oil and inhibitor system protect against the interruption of lubrication due to entrained air, and minimize the possibility of foaming and overflow in tanks and reservoirs.

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TECHNICAL DATA

Sr. No	Characteristics	Test Method	32	46	68	100	150
01	Appearance	VISUAL	B & C	B & C	B & C	B & C	B & C
02	Acid number, mgKOH/gm	ASTM D-974	0.10	0.10	0.10	0.10	0.16
03	Carbon residue after Ageing, m%	DIN-51352	0.7	1.0	1.1	1.3	1.8
04	Viscosity @ 40 C, cSt	ASTM D-445	30.6	44.0	65.0	95.5	143
05	Viscosity @ 100 C, cSt	ASTM D-445	5.3	6.7	8.5	10.8	14.1
06	Viscosity Index	ASTM D-2270	105	105	101	96	95
07	Flash Point, COC, C	ASTM D-92	218	220	228	246	256
08	Pour Point, C	ASTM D-97	-24	-24	-24	-21	-21

Health and Safety:

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application, following the recommendations provided in the Material Safety Data Sheet (MSDS). MSDSs are available upon request. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

Due to continual product research and development, the information contained herein is subject to change without notification. Typical Properties may vary slightly.