

Lubricants for industry.



ES 100 Compressor

Di-Ester-based synthetic lubricant, specifically recommended for reciprocating air compressors used in industrial, marine and mobile applications.

Use

- Product recommended for high-pressure reciprocating air compressors, vacuum pumps, and equipment where the manufacturer recommends an ISO 100 viscosity grade.
- Specially developed to meet the most stringent specifications of reciprocating air compressor manufacturers, operating in extreme conditions with discharge temperatures up to 250°C, discharge pressure up to 200 bar, and start-up temperatures of -20°C.

Benefits

- Its synthetic formulation helps to keep compressors cleaner, reducing deposit formation in valves, improving equipment performance and allowing for longer change intervals, resulting in savings in maintenance costs.
- Excellent resistance to oxidation and thermal degradation under severe operating conditions, extending the service life of the oil.
- Low residue, ash and charcoal formation.
- Excellent protection against rust and wear with a high capacity to withstand loads, reducing the wear of compressor cylinders, rings and bearings.

Specifications

- DIN 51506 VCL and VDL
- ISO 6743/3 DAB & DAJ

Physical and chemical properties

Parameter	Units	Method	ES 100 Compressor
ISO Grade	-	-	100
Density 15°C	Kg/l	ASTM D-4052	0.960
Flash Point, COC	°C	ASTM D-92	278
Pour Point	°C	ASTM D-5950	-30
Viscosity at 40°C	cSt	ASTM D-445	113
Viscosity at 100°C	cSt	ASTM D-445	12
Viscosity Index	-	ASTM D-2270	90
Foam (Sequence 1)	ml/ml	ISO 6247	0/0
Acid No. (TAN)	mg KOH/g	ASTM D-664	0.2
CRC oxidation test	%	DIN 51352 Part 2	0.57
Wear Test 4-balls, d. tread	mm	ASTM D-4172	0.97

Health & safety and environment

A Material Safety Data Sheet providing information on product hazards, handling precautions, first aid measures, and relevant environmental data is available for this product as per applicable legislation.

The typical values of the characteristics appearing in the table are average values given for guidance purposes only and do not constitute a guarantee. These values may be modified without any prior warning.