

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.