

MANUTEC COMPRESSOR SYN-HC 46

Product Code: COMP011 | **Revision:** 20260202



Synthetic PAO lubricant for rotary screw compressors.

Available Pack Sizes



Applications

Blended from high-performance, wax-free polyalphaolefins and premium ashless additive technology, this oil is engineered for extended service intervals of up to 8,000 hours. Its high viscosity index ensures excellent thermal stability at high temperatures while maintaining outstanding pumpability at low temperatures. It provides superior protection against wear, corrosion, oxidation and foaming, helping maintain system cleanliness, reliability and long-term performance. Excellent filterability preserves filter efficiency over extended periods, while enhanced low temperature fluidity and oxidation stability ensure dependable operation across a wide range of conditions, optimising compressor efficiency and lowering operating costs.

Recommended by Aztec Oils as suitable for the following applications

DIN 51506 VD-L
ISO/TS 6521-2 DAJ (DAG/DAH)
ISO 6743-3 DAJ (DAG/DAH)

Benefits

- Demulsifying to ensure rapid water separation.
- Excellent anti-wear characteristics.
- Exceptional low temperature performance.
- Extended lubricant life compared to mineral based products.
- Good anti-foam & air release properties.
- Superior oxidation resistance & outstanding corrosion protection to provide a long service life.

Typical Test Data

Appearance		Clear & bright, straw
Copper Corrosion	ASTM D130 A&B	Pass
Density @ 15°C (kg/m ³)	ASTM D4052	0.827
Demulsibility	ASTM D1401	40-40-0
Flash Point (°C)	ASTM D92	>200
Kinematic Viscosity @ 40°C (mm ² /s)	ASTM D445	46
Kinematic Viscosity @ 100°C (mm ² /s)	ASTM D445	8.4
Oxidation	ASTM D943	8000hrs
Pour Point (°C)	ASTM D97	-55
Viscosity Index	ASTM D2207	161

The typical test data provided is taken from average values, there will be some variability in production and therefore do not constitute a specification.

Health, Safety & Recommendations

In line with our policy of continued improvement, Aztec Oils reserve the right to change specifications and availability without prior notice. This product, used according to our recommendations and for its designed application, does not represent any particular risk. The information present in this technical data sheet is indicative of the product and is given in good faith, but should not form part of any specification.

Health, Safety & Recommendations

- A Safety Data Sheet is available for consultation at www.aztecoils.co.uk.
- Packaging should not be left exposed to elements and drums should be laid horizontally to prevent contamination.
- This product should not be stored at temperatures over 60°C, kept out of direct sunlight, protected from frost and fluctuations in temperature.
- When disposing of the product after use, please protect the environment and comply with local regulations.

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