Cetus EliteSyn MGX

Description

Cetus® EliteSyn MGX with VARTECH™ Technology, is a range of high-performance synthetic compressor lubricants, blended with high quality polyalphaolefin (PAO) base fluid and an advanced additive system designed for improved performance and longer oil life.

Cetus EliteSyn MGX range is capable of providing oil maintenance intervals of over 8000 hours for rotary air compression applications. It is suitable for portable and stationary rotary, vane and screw compressors.

Cetus EliteSyn MGX oils are designed to meet the requirements of modern higher output, more efficient compressors, which are more compact, operating at higher speeds and higher temperatures. The higher thermal and oxidation stability reduces deposit formation on valves and air separators. Cetus EliteSyn MGX oils feature a high viscosity index, improved thermal and mechanical efficiency and higher thermal and hydrolytic stability, to save on maintenance and lubrication costs through longer oil drain intervals.

Typical Characteristics

ISO Viscosity Grade	**46**	**68**
MPID	**219446**	**219447**
Pour Point, °C (ASTM D97)	-46	-45
Density at 15°C kg/l (ASTM D4052)	0.836	0.836
Flash Point, COC, °C (ASTM D92)	261	263
Acid Number, mg KOH/g (ASTM D974)	0.17	0.17
Kinematic Viscosity at 40°C, mm^2/s (ASTM D445)	46	68
Kinematic Viscosity at 100°C, mm^2/s (ASTM D445)	8.536	11.73
Copper Corrosion 3h, 100 (ASTM D130)	1a	1a
Viscosity Index (ASTM D2270)	165	168
Oxidation Stability, RVPOT, min (ASTM D2272)	1540	1670
Air Release Time 50 min (ASTM D3427)	-	2
Foam Tendency/Stability Seq I ml/ml	0/0	0/0
Four-Ball Wear 40 mm (ASTM D4172)	0.55	0.37
FZG, Failure Load Stage, A/8.3/90	12	-
Rust Test, Proc. B (ASTM D665)	Pass	Pass

Recommended Applications

Cetus EliteSyn MGX is recommended for:

- Single-stage and multi-stage centrifugal compressors, and oil flooded screw compressors including stationary, semi-portable and portable units.
- Air, compressed natural gas (CNG), landfill gas and inert gas.
- Lubrication of turbochargers in marine diesel engines.

Not recommended for use in breathing air compressors.

Cetus EliteSyn MGX is approved for:

- ☑ **Sperre (VG 46)**
- ☑ **Donghwa pneutec (VG 46)**
- ☑ **GEA Westfalia (VG 68)**
- ☑ **MacGregor/Hatlapa (VG 68)**

Cetus EliteSyn MGX meets the requirements of:

- ☑ **ISO 6743-3:** ISO-L-DAJ
- ☑ **ISO 6743-3:** ISO-L-DAA, DAB
- ☑ **ISO 6521-1:** ISO-L-DAA
- ☑ **GB 12691:** L-DAA
- ☑ **ABB VTR 4 turbocharger (VG 68)**
- ☑ **TMC-Tamrotor (VG 68)**
- ☑ **Atlas copco (VG 46)**
- ☑ **Sauer Compressors**

Cetus EliteSyn MGX is recommended for use in:

- ☑ **DIN 51 506**
- ☑ **ISO 6521-1:** ISO-L-DAB
- ☑ **GB 12691:** L-DAB

Performance Benefits

1. Potential maintenance and downtime savings
VARTECH™ Technology reduces varnish formation to help maintain peak performance, reliability, and productivity throughout the oil's service life. It helps reduce the build-up of harmful deposits on critical areas such as valves and bearings, hence maintaining compressor performance under severe operating conditions.

2. Enhanced equipment protection
Effective corrosion inhibition helps protect against rust and corrosion caused by high operating temperatures or moisture entering the system, particularly during shutdown and intermittent operation.

3. Operational reliability
Exceptional Oxidation and Thermal Stability assists with long service life resisting oil breakdown at high discharge temperatures with Minimal Deposit Formation. Ashless additive technology, blended with high quality PAO base fluid, promotes low carbon forming tendency, helping to minimize deposit formation in the compressor.

Environment, Health and Safety

Information is available on this product in the Safety Data Sheet (SDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain an SDS for this product visit chevronmarineproducts.com.