



Cetus Elitesyn MGX

Premium performance synthetic compressor fluids

Product description

Cetus EliteSyn™ MGX is a range of premium performance synthetic compressor oils, recommended for use in rotary screw compressors, single and multistage reciprocating units and single and multistage centrifugal compressors, and are designed to meet the high pressure, high temperature requirements of modern higher output, more efficient air compressors.

Cetus EliteSyn MGX oils are formulated with premium synthetic base stocks and advanced varnish deposit control technology (VDC technology), in addition to a robust additive package to help enhance oxidation resistance for extended drain intervals, deliver reliable corrosion protection, and offer robust varnish deposit control performance to aid keep clean efficiency. These oils feature a high viscosity index, improved thermal and mechanical efficiency, lower coefficients of friction, high thermal stability, and effective heat-transfer properties. Additionally, Cetus EliteSyn MGX oils exhibit our most advanced hydrolytic stability.

Cetus EliteSyn MGX oils are based on a combination of polyalphaolefins and are designed to replace our previous Cetus PAO range.

Customer benefits

- Advanced deposit control technology (VDC technology) is engineered to help reduce varnish formation and maintain consistent peak performance, reliability and productivity throughout an extended service life, even under severe operating conditions.
- Good corrosion inhibition helps protect against rust and corrosion caused by high operating temperatures or moisture entering the system, particularly during shutdown and intermittent operation.
- Advanced oxidation and thermal stability offers good performance throughout extended drain intervals, helping to resist breakdown at high discharge temperatures with minimal deposit formation to keep components clean.

Product highlights

- **Helps reduce maintenance costs**
- **Designed to help improve equipment uptime**
- **Offers enhanced component protection**
- **Promotes good performance across extended drain intervals**

Selected specification standards include:

ABB	DIN
GB	ISO

Approvals, performance and suitable for use

Approvals and performance		
ISO Grade	46	68
DIN 51 506	S	S
ISO 6743-3: ISO-L-DAJ	M	M
ISO 6743-3: ISO-L-DAA, DAB	M	M
ISO 6521-1: ISO-L-DAA	M	M
ISO 6521-1: ISO-L-DAB	S	S
GB 12691:L-DAA	M	M
GB 12691:L-DAB	S	S
ABB VTR 4 turbochargers fulfils requirements as a low friction lubricant for 5000 hour drain intervals, specially tested synthetic oils for heavily loaded turbochargers		M

A: Approved for

M: Performance: Meets or exceeds requirements

S: Suitable for use

Applications

Cetus EliteSyn MGX oils are formulated to provide effective lubricating qualities for many air compressors, especially portable and stationary rotary, and screw compressors as well as single-stage, two-stage, and multistage reciprocating compressors.

By using a synthetic compressor oil, efficiency improvements up to 5% in comparison with mineral oil-based products can be expected.

While specific OEM recommendations vary, the ISO 46 and 68 grades are most used for rotary air compressors. While higher viscosity grades are preferred for reciprocating air compressors.

Since reciprocating compressors require both a crankcase lubricant and a cylinder lubricant, Cetus EliteSyn MGX oils are formulated to meet this dual requirement.

Cetus EliteSyn MGX 68 is specially developed for the lubrication of turbochargers in marine diesel engines, where two separate lubricating oil systems are in place.

Cetus EliteSyn MGX 68 can be used for vacuum pumps GPM 65 ATEX II 2G IIB 4 from Axlow LTD.

Product maintenance and handling

Avoid any spillage of used and unused product to the environment.

Product residue and package/container should be disposed of in dedicated collection points.

Typical test data				
Test	Test Methods	Results		
Viscosity Grade		32	46	68
Typical Shelf Life: 60 months from date of filling indicated on the product label.				
Kinematic viscosity at 100°C, mm ² /s	ASTM D445	32.0	46.0	68.0
Kinematic viscosity at 40°C, mm ² /s	ASTM D445	6.37	8.536	11.73
Viscosity Index	ASTM D2270	151	165	168
Flash point COC, °C	ASTM D92	261	261	263
Pour point, °C, max	ASTM D5950	-46	-46	-45
Density at 15°C, kg/l	ASTM D4052	0.833	0.836	0.836
Copper Corrosion (3h @ 100°C)	ASTM D130	1A	1A	1A

The typical test data set out above does not constitute a specification. It is indicative only and can be affected by allowable production tolerances. Chevron may modify this test data. Modified data will supersede all previous data, so please ensure you refer to the latest version of this Product Data Sheet (PDS).

Disclaimer: Data provided in this Product Data Sheet (PDS) is based on standard tests under laboratory conditions and is indicative only. This product should not be used for any purpose other than those expressly set out in this PDS. The user has sole responsibility for verifying that this product is suitable for the user's intended application. Neither Chevron nor its subsidiaries (i) make any warranty or representation as to the accuracy or completeness of this PDS; and/or (ii) accept liability for any loss or damage suffered as a result of the use of this product other than in accordance with the terms of this PDS.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

When disposing of used product, take care to protect the environment and follow local legislation.

Safety Data Sheets (SDS's) are available for all Chevron products. If you require a SDS or any further information regarding a Chevron product, please contact your local sales office or see <http://europe.chevronlubricants.com>.

A Chevron company product