



Cetus Elitesyn MGX

Premium performance synthetic compressor fluids

Product description

Cetus® EliteSyn™ MGX is a range of premium performance synthetic compressor fluids designed to provide oxidation resistance, corrosion protection and varnish deposit control in modern rotary screw, rotary vane and reciprocating compressors operating under high temperature and pressure conditions.

Formulated with high quality polyalphaolefin (PAO) base fluids and advanced Varnish Deposit Control (VDC) technology, Cetus EliteSyn MGX helps minimise deposit formation and supports consistent compressor performance over extended operating periods.

Customer benefits

- Advanced Varnish Deposit Control (VDC) technology helps minimise deposit formation and contributes to cleaner compressor operation.
- High quality synthetic PAO base fluids and advanced additive technology help resist oxidation and support lubricant performance under demanding operating conditions.
- Stable viscosity characteristics contribute to consistent lubrication performance across a wide range of operating temperatures.
- Designed to support longer oil drain intervals compared with conventional mineral oil-based compressor lubricants.
- Fully compatible with Cetus PAO products, helping facilitate product changeover where appropriate operating procedures are followed.

Product highlights

- **Advanced Varnish Deposit Control (VDC) contributes to cleaner compressor operation**
- **Designed to resist oxidation and support lubricant performance under demanding operating conditions**
- **Good viscosity stability across a wide range of operating temperatures.**
- **Formulated to support longer oil drain intervals.**
- **Fully compatible with legacy Cetus PAO products.**

Selected specification standards include:

ABB	ANSI/AGMA
ASTM	DIN
Donghwa Pneutec	GB
GEA-Westfalia (Purifier)	Hatlapa (MacGregor)
ISO	J.P. Sauer & Sohn
Sauer Compressors	Sperre
TMC-Tamrotor	Westfalia GEA

Approvals, performance and suitable for use

Approvals and performance		
ISO Grade	46	68
ANSI/AGMA 9005-F16 R&O	M	M
ASTM D4304 Type II	S	
ASTM D4304 Type III	S	S
ASTM D6158 HL	M	M
DIN 51506 VDL	S	S
DIN 51524-1 HL	M	M
GB 12691:L-DAB	S	S
ISO 11158 HL	M	M
ISO 12925-1 CKC	M	M
ISO 12925-1 CKD	M	M
ISO 6521-1: ISO-L-DAB	S	S
ISO 6743-3: L-DAA	M	M
ISO 6743-3: L-DAB	S	S
ISO 6743-3: L-DAJ	M	M
ISO 6743-3: L-DGA	M	M
ISO 51502-2	VD L PR46	VD L PR68
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
J.P. Sauer & Sohn	M	
Donghwa Pneutec	A	
Sperre	A	
GEA-Westfalia (Purifier)		A
Hatlapa (MacGregor)		A
TMC-Tamrotor		M
Sauer Compressors		M
Westfalia GEA/Separators with integrated direct drive		A

A: Approved for
M: Performance: Meets or exceeds requirements
S: Suitable for use

Applications

Cetus EliteSyn MGX oils are formulated to provide effective lubrication for:

- Rotary screw and vane compressors (portable and stationary)
- Single-stage and multistage reciprocating compressors

Typical viscosity selection depends on OEM requirements:

- ISO VG 46 and ISO VG 68 are commonly used for rotary air compressors

Since reciprocating compressors require both crankcase and cylinder lubrication, these products are formulated to meet this dual requirement.

Cetus EliteSyn MGX 68 may also be used in certain turbocharger applications where separate lubrication systems are applied, subject to OEM approval.

Recommended for use in compressors handling air, compressed natural gas (CNG), landfill gas and inert gases.

Cetus EliteSyn MGX 68 can be used in certain vacuum pump applications (e.g. GPM 65 ATEX II 2G IIB 4), subject to OEM approval and operating conditions.

Cetus EliteSyn MGX oils are NOT recommended for use in breathing air compressors

Field Performance

Field testing and development trials indicate that Cetus EliteSyn MGX oils can support extended service intervals in rotary screw compressors.

A field trial in a rotary screw compressor has demonstrated stable oil performance beyond 8000 hours under controlled operating conditions.

Actual service intervals depend on equipment design, operating conditions and maintenance practices. Oil condition monitoring is recommended.

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