

Cetus EliteSyn® MGX

Premium Performance Synthetic Compressor Oils



Product description

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

The Cetus EliteSyn MGX range can provide oil maintenance intervals of over 8000 hours for rotary air compression applications, and are suitable for portable and stationary rotary, vane, screw and piston compressors.

Customer benefits and product features

Customer benefits

- **Potential maintenance and downtime savings**
VARITECH™ Technology is formulated to minimize varnish formation and maintain peak performance, reliability, and productivity throughout the oils service life. It helps reduce the build-up of harmful deposits on critical areas such as valves and bearings, and helps maintain compressor performance under severe operating conditions.
- **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
- **Operational reliability**
Exceptional oxidation and thermal stability assists with long service life, helping to resist oil breakdown at high discharge temperatures with minimal deposit formation.
- **Helps resist carbon build-up**
Formulated with ashless additive technology and PAO base fluid to help resist carbon build-up and effectively minimize deposit formation within the compressor.

Product features

Cetus EliteSyn MGX oils are designed to meet the requirements of modern high-performance compressors, which are more compact and operate at high speeds and elevated temperatures. Their exceptional thermal and oxidation stability helps to minimize deposit build-up on valves and air/oil separators.

Cetus EliteSyn MGX oils offer a high viscosity index, exceptional thermal and mechanical efficiency, and excellent thermal and hydrolytic stability—contributing to extended oil drain intervals and helping to minimize maintenance and lubrication costs.

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Applications

Cetus EliteSyn MGX is recommended by Chevron for:

- Single-stage and multi-stage reciprocating and centrifugal compressors, and oil flooded screw compressors across stationary, semi-portable and portable units.
- Air, Compressed Natural Gas (CNG), landfill gas and inert gas service in single-stage and multi-stage reciprocating compressors requiring both crankcase and cylinder lubrication.
- Lubrication of turbochargers in marine diesel engines.

Not recommended for use in breathing air compressors.

Approvals, performance and recommendations

Developed independently by Chevron to comply with the following performance standards and specifications:

CETUS ELITESYN® MGX	ISO 32	ISO 46	ISO 68
DIN 51 506	S	S	S
ISO 6743-3: ISO-L-DAJ	M	M	M
ISO 6743-3: ISO-L-DAA, DAB	M	M	M
ISO 6521-1: ISO-L-DAA	M	M	M
ISO 6521-1: ISO-L-DAB	S	S	S
GB 12691:L-DAA	M	M	M
GB 12691:L-DAB	S	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 exceed requirements **S:** Suitable for use

Cetus Elitesyn MGX is suitable for use in major air compressors including Atlas Copco, Ingersoll Rand, Gamder Denver, Mitsubishi, Sullican, Hitachi, Kaeser and others

Consult OEM representatives for independent verification, updates and recommendations.

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Typical test data

CETUS ELITESYN® MGX	TEST METHOD	RESULTS		
ISO Grade		32	46	68
Product Code		540680	540681	540682
Kinematic Viscosity, mm ² /s @ 40°C	ASTM D445	32	46	68
mm ² /s @ 100°C	ASTM D445	6.37	8.54	11.73
Viscosity Index	ASTM D2270	151	165	168
Flash Point, COC, °C	ASTM D92	261	261	263
Pour Point, °C	ASTM D97	-46	-46	-45
Air Release Value, minutes	ASTM D3427	1	2	2
Acid Number, mg KOH/g	ASTM D974	0.17	0.17	0.17
Copper Corrosion, 3h 100°C	ASTM D130	1a	1a	1a
Density, 15°C, kg/L		0.833	0.836	0.836
Foam Tendency/Stability, Seq I ml/ml	ASTM D892	0/0	0/0	0/0
RPVOT, minutes	ASTM D2272	1440	1540	1670
FZG Fail load stage, A/8.3/90	ASTM D5182	12	12	12

ENVIRONMENT, HEALTH, and SAFETY. Information is available on this product in the Material Safety Data Sheet (MSDS) 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 a MSDS for this product, visit the Product Information Center.

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