CETUS® ELITESYN™ MGX

32, 46, 68, 100, 150

PRODUCT DESCRIPTION

Cetus® EliteSyn™ MGX oils, formulated with VARTECH® Technology, are synthetic air compressor lubricants using high quality PAO base fluids and a high performance additive system designed to promote oxidation resistance, corrosion protection and robust varnish deposit control performance. They are designed to provide oil maintentance intervals of over 8,000 hours for rotary air compression applications.

CUSTOMER BENEFITS

Cetus EliteSyn MGX oils deliver value through:

- **Exceptional thermal and oxidation stability** — Long lubricant life in high temperature operations.
- **Long machinery life and maximum compressor efficiency** — Oxidative stability and low carbon-forming tendencies minimize sludge and deposit formation.
- **Long drain intervals** — Long lubricant life means less frequent oil changes.
- **Minimal maintenance and downtime** — VARTECH Technology is formulated to minimize varnish formation and maintain peak performance, reliability, and productivity throughout the oil's 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.
- **Low volatility and excellent air release tendency** — Helps to reduce oil carryover downstream and less makeup oil is needed.

FEATURES

Cetus EliteSyn MGX oils are synthetic air compressor lubricants formulated with the highest quality polyalphaolefin (PAO) base fluids.

They provide excellent thermal and oxidation stability, high viscosity index, high flash point, low pour point, and excellent hydrolytic stability.

Cetus EliteSyn MGX oils protect against rust, oxidation, and foaming, and have ashless antiwear properties. They are technologically designed with VARTECH Technology, which limits the formation of deposits that contribute to sludge and varnish.

Cetus EliteSyn MGX oils are designed to meet the requirements of modern higher output, more efficient air compressors. These units are more compact and operate at higher speeds than older compressors, resulting in higher temperatures. As temperatures increase, deposit formation on valves and air separators can also increase.

The high thermal and oxidation stability extends crankcase drain intervals compared with those obtained with mineral oils. Compressor operators can realize minimal equipment downtime and used oil disposal costs.

Valve cleanliness is maintained by the excellent thermal and oxidation stability and low carbon-forming tendencies of this product. Clean valves help minimize recompression, maximize compressor efficiencies and minimize maintenance shutdown costs.

Compressor users can realize savings in maintenance and lubrication costs through longer drain intervals offered by Cetus EliteSyn MGX compared to mineral oil based products.

In addition, they will find compatibility with most elastomeric seal materials that are used with mineral oil-based compressor lubricants.

Product(s) manufactured in the USA.
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.

A **Chevron** company product

1 March 2026
IO-18

APPLICATIONS

Cetus EliteSyn MGX oils are formulated to provide excellent 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.

While specific manufacturer recommendations vary, the **ISO 32, 46** and **68** grades are most commonly 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 has especially been developed for the lubrication of turbochargers in marine diesel engines, where two separate lubricating oil systems are in place.

Cetus EliteSyn MGX 68 meets the requirements for:

- ABB VTR.4 turbochargers as a low friction lubricant for a 5000 hour drain interval.

CLAIMS AND SPECIFICATIONS

	32	46	68	100	150
ANSI/AGMA 9005-F16 R&O		Meets	Meets	Meets	Meets
ASTM D4304 Type II	Meets	Meets	Meets	Meets	Meets
ASTM D4304 Type III	Meets	Meets			
ASTM D6158 HL	Meets	Meets	Meets	Meets	Meets
DIN 51506 VDL	Suitable for use	Suitable for use	Suitable for use	Suitable for use	Suitable for use
DIN 51524-1 HL	Meets	Meets	Meets	Meets	Meets
GB 12691: L-DAB	Suitable for use	Suitable for use	Suitable for use	Suitable for use	Suitable for use
ISO 11158 HL Type 1	Meets	Meets	Meets	Meets	Meets
ISO 11158 HM Type 2				Meets	Meets
ISO 12925-1 CKC	Meets	Meets	Meets		
ISO 12925-1 CKD	Meets	Meets	Meets		
ISO 6521-1: ISO-L-DAB	Suitable for use	Suitable for use	Suitable for use	Suitable for use	Suitable for use
ISO 6743-3:L-DAA	Meets	Meets	Meets	Meets	Meets
ISO 6743-3:L-DAB	Meets	Meets	Meets	Meets	Meets
ISO 6743-3:L-DAJ	Meets	Meets	Meets		
ISO 6743-3:L-DGA	Meets	Meets	Meets	Meets	Meets

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Cetus EliteSyn MGX oils are registered by **NSF** and are acceptable as lubricants where there is no possibility of food contact (H2) in and around food processing areas. The NSF Nonfood Compounds Registration Program is a continuation of the USDA product approval and listing program, which is based on meeting regulatory requirements of appropriate use, ingredient review and labeling verification.

Do not use in high pressure systems in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed.

Do not use in breathing air apparatus or medical equipment.

TYPICAL TEST DATA

ISO Grade	32	46	68	100	150
Product Number	*293150*	*293151*	*293152*	*293153*	*293154*
SDS Number	*66849*	*66853*	*66858*	*66863*	*66867*
API Gravity	38.2	37.6	37.8	36.8	36.0
Viscosity, Kinematic cSt at 40°C cSt at 100°C	 32.0 6.3	 46.0 8.5	 68.0 11.7	 100 15.9	 150 22.3
Viscosity, Saybolt SUS at 100°F SUS at 210°F	 150 46.8	 214 54.1	 316 65.3	 464 81.5	 695 108.3
Viscosity Index	151	165	168	172	177
Flash Point, °C(°F)	261(501)	261(501)	263(505)	263(505)	268(514)
Pour Point, °C(°F)	-46(-51)	-46(-51)	-45(-49)	-45(-49)	-49(-56)

Minor variations in product typical test data are to be expected in normal manufacturing.

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