



CETUS[®] HIPERSYN[®] OIL ISOCLEAN[®] CERTIFIED LUBRICANT 32, 46, 68, 100, 150, 220, 320, 460

PRODUCT DESCRIPTION

Cetus[®] HiPerSYN[®] ISOCLEAN[®] Certified Lubricants are synthetic compressor oils. They are recommended for air compressors; especially portable and stationary rotary, vane, and screw compressors. Chevron ISOCLEAN Certified Lubricants have been certified to meet specified ISO Cleanliness standards at point of delivery using industry leading filtration and testing technology. ISOCLEAN Certified products are the first step for contamination control and maximizing component life.



- **Long drain intervals** — Long lubricant life means less frequent oil changes.
- **Minimal maintenance and downtime** — Trouble-free operation and extended service intervals can lead to reduced operating costs.
- **Minimum oil consumption** — Low volatility means less oil goes downstream, and less oil is needed for makeup.
- **Proven performance** in rotary screw air compressors manufactured by major OEMs including **Sullair** and **Quincy** as well as **Diamond Power** soot blowers.

CUSTOMER BENEFITS

Cetus HiPerSYN ISOCLEAN Certified Lubricants deliver value through:

- **Ready to use** — Enables users to meet stringent original equipment manufacturers' cleanliness standards for fill lubricants.
- **Flexibility** — ISO Cleanliness targets can be customized to fit your business application needs.
- **Peace of mind** — Each delivery of Chevron ISOCLEAN Certified Lubricant includes an ISOCLEAN Certificate of Analysis.
- **OE fluid cleanliness requirements** — Customized to meet specific equipment manufacturers' fluid cleanliness requirements.
- **Long lubricant life in high temperature operations** — Outstanding thermal and oxidation stability.
- **Long machinery life and maximum compressor efficiency** — Oxidative stability and low carbon-forming tendencies minimize sludge and deposit formation.

FEATURES

Cetus HiPerSYN ISOCLEAN Certified Lubricants are formulated with premium base oil technology and a high level of purity and refinement, and has been further enhanced by their unique additive systems that provide outstanding thermal and oxidation stability, high viscosity index, high flash point, low pour point, anti-wear protection, and excellent hydrolytic stability.



Cetus HiPerSYN ISOCLEAN Certified Lubricants also protect against the formation of oxidation byproducts and acidic materials which will eventually cause deposits and varnish, rust, oxidation, and foaming.

They have very good demulsibility characteristics allowing quick release of moisture and help minimize entrained air, which could otherwise result in reduced lubricant film thickness and potentially lead to pump cavitation.

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 January 2019
IO-105 ISOCLEAN

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Cetus® HiPerSYN® ISOCLEAN® Certified Lubricants pass the acute aquatic toxicity criteria adopted by the U.S. Environmental Protection Agency (EPA). Cetus HiPerSYN ISOCLEAN Certified Lubricants are registered by **NSF** and are acceptable as a lubricant 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.

APPLICATIONS

Cetus HiPerSYN ISOCLEAN Certified Lubricants are formulated to provide outstanding lubricating qualities for air compressors, especially portable and stationary rotary, vane, and screw compressors.

Do not use in breathing air apparatus or medical equipment.

Cetus HiPerSYN ISOCLEAN Certified Lubricants are generally designed for applications with wider operating temperature ranges as compared to non-synthetic oils. The higher viscosity grade products are especially effective in high temperature applications, such as industrial bearings and gears that require an R&O-type synthetic gear oil as well as sootblowers, where outstanding thermal and oxidative stability are required.

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.

Consult with your Chevron Lubricant Representative or Chevron ISOCLEAN Certified Lubricants Marketer to set specific ISO Cleanliness targets for your business application.

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TYPICAL TEST DATA

ISO Grade	ASTM	32	46	68	100
<i>Product Number</i>		278025	278026	278027	278028
<i>SDS Number</i> U.S. Canada Mexico Colombia		8562 8562CAN 8562MEX 32554	8562 8562CAN 8562MEX 32554	8562 8562CAN 8562MEX 32554	8563 8563CAN 8563MEX 32554
API Gravity	D287	36.2	35.5	35.1	34.5
Viscosity, Kinematic cSt at 40°C cSt at 100°C	D445	30.4 5.7	43.7 7.3	68.6 10.4	105 14.1
Viscosity, Saybolt SUS at 100°F SUS at 210°F	D445	160 45.6	225 50.6	352 61.2	539 75.9
Viscosity Index	D2270	130	130	136	140
Flash Point, °C(°F)	D92	230(446)	244(471)	260(500)	260(500)
Pour Point, °C(°F)	D97	-40(-40)	-36(-33)	-38(-36)	-35(-31)
Color, ASTM	D1500	L 0.5	L 0.5	L 0.5	L 0.5
Copper Corrosion 3 h at 121°C	D130	1B	1B	1B	1B
Foam Tendency/Stability, mL/mL Sequence I	D892	10/0	10/0	10/0	10/0
Oxidation Stability Hours to 2.0 mg KOH/g acid number ^a Minutes to 25 psi pressure drop	D943 D2272	18,000 1800	18,000 1800	18,000 1800	12,000+ 2800

a Modified ASTM D943, allowed to run beyond 10,000 h.

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

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1 January 2019
IO-105 ISOCLEAN

TYPICAL TEST DATA

ISO Grade	ASTM	150	220	320	460
Product Number		278029	278030	278031	278032
SDS Number					
U.S.		8563	8563	8563	8563
Canada		8563CAN	8563CAN	8563CAN	8563CAN
Mexico		8563MEX	8563MEX	8563MEX	8563MEX
Colombia		32554	32554	32554	32554
API Gravity	D287	33.9	34.3	32.6	32.0
Viscosity, Kinematic	D445				
cSt at 40°C		158	231	336	483
cSt at 100°C		19.5	27.0	33.7	43.3
Viscosity, Saybolt	D445				
SUS at 100°F		815	1183	1751	2520
SUS at 210°F		98.7	132	164	210
Viscosity Index	D2270	142	152	142	142
Flash Point, °C(°F)	D92	260(500)	260(500)	260(500)	260(500)
Pour Point, °C(°F)	D97	-35(-31)	-34(-29)	-34(-29)	-30(-22)
Color, ASTM	D1500	L 0.5	L 0.5	L 0.5	L 0.5
Copper Corrosion 3 h at 121°C	D130	1B	1B	1B	1B
Foam Tendency/Stability, mL/mL Sequence I	D892	10/0	10/0	10/0	10/0
Oxidation Stability					
Hours to 2.0 mg KOH/g acid number ^a	D943	12,000+	12,000+	12,000+	12,000+
Minutes to 25 psi pressure drop	D2272	2800	2800	2800	2800

a Modified ASTM D943, allowed to run beyond 10,000 h.

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