CETUS® HIPERSYN® OIL

32, 46, 68, 100, 150, 220, 320, 460

PRODUCT DESCRIPTION

Cetus® HiPerSYN® Oils are synthetic compressor oils. Cetus HiPerSYN Oils are recommended for air compressors; especially portable and stationary rotary, vane, and screw compressors.

CUSTOMER BENEFITS

Cetus HiPerSYN Oils deliver value through:

- **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.
- **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.

FEATURES

Cetus HiPerSYN Oils 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 Oils 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.

Cetus HiPerSYN Oils pass the acute aquatic toxicity criteria adopted by the U.S. Environmental Protection Agency (EPA). Cetus HiPerSYN Oils 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.

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

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APPLICATIONS

Cetus® HiPerSYN® Oils 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 Oils 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. Cetus HiPerSYN Oil ISO 320 is recommended for use in oil lubricated vibrating mechanisms in Deister vibrating machines.

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.

TYPICAL TEST DATA

ISO Grade	ASTM	32	46	68	100
Product Number		*259136*	*259137*	*259138*	*259139*
SDS Number		*8562*	*8562*	*8562*	*8563*
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	137	136
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
Water Separability, Minutes to 0 mL emulsion	D1401	 15	 15	 15	 15
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	 15,000 1800	 15,000 1800	 13,000 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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TYPICAL TEST DATA

ISO Grade	ASTM	150	220	320	460
Product Number		*259140*	*259141*	*259142*	*259143*
SDS Number		*8563*	*8563*	*8563*	*8563*
API Gravity	D287	33.9	34.3	32.6	32.0
Viscosity, Kinematic cSt at 40°C cSt at 100°C	D445	 158 19.5	 231 27.0	 336 33.7	 483 43.3
Viscosity, Saybolt SUS at 100°F SUS at 210°F	D445	 815 98.7	 1183 132	 1751 164	 2520 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
Water Separability, Minutes to 0 mL emulsion	D1401	 15	 15	 15	 15
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	 12,000+ 2800	 12,000+ 2800	 12,000+ 2800	 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.

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.