



CETUS[®] HiPerSYN[®]



A synthetic compressor oil primarily recommended for air compressors, especially portable and stationary rotary, vane and screw compressors.



Take Advantage of the Latest Technology

With Cetus HiPerSYN, capitalize on synthetic performance without the typical PAO price.

This is a new product name with long-time performance history.

High Oxidative Stability to provide not only long lubricant life, but long machinery life. Cetus HiPerSYN's oxidative stability yields low carbon forming tendencies minimizing sludge and deposit formation which improves compressor efficiency, and potentially, lengthens compressor service life.

Potential for Extended Drains to maximize up-time and reduce maintenance costs. Oxidative stability and low volatility means less compressor oil migrating downstream, consequently less added oil is required.

Excellent Oxidation Stability, FOUR-BALL WEAR, and RUBBER SEAL SWELL tests, when tested against select PAO synthetic and select group I and II R&O oils.

Passes Acute Aquatic Toxicity criteria adopted by the United States Environmental Protection Agency.

The unique combination of Group III synthetic base oil and a balanced additive package offers the benefits of:

Outstanding Thermal and Oxidative Stability

High Viscosity Index (VI)

High Flash Point

Low Pour Point

Antiwear Protection

Excellent Hydrolytic Stability

Low Sludge Tendency

Compatibility with Most Mineral Oils, PAO Synthetics and Esters



Cetus® HiPerSYN® Means Worldwide Reliability

The compressor oil that promotes longer drain intervals, extended equipment life, reduced down time and savings in the maintenance budget.

As industry expands rapidly throughout the world, the need to keep equipment running reliably increases.

Being able to count on one brand of industrial oils for your lubrication needs can have a direct effect on your bottom line through increased production and costs savings.

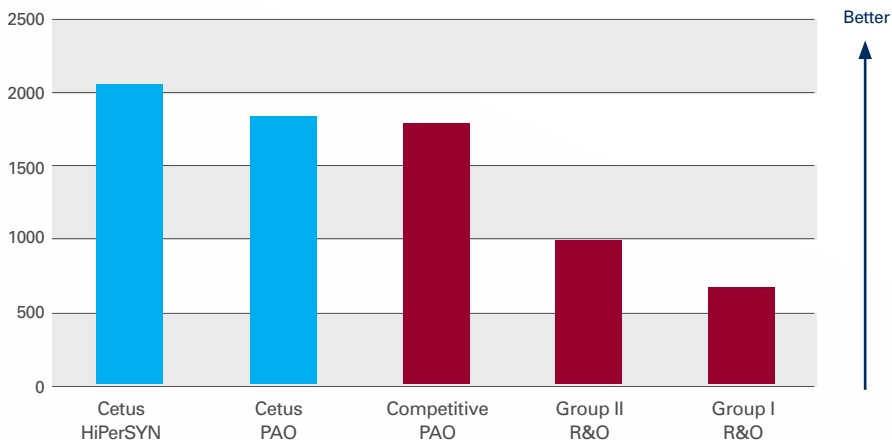
That's why there's Chevron Cetus HiPerSYN – a standard in reliability. It is the synthetic compressor oil you can depend on for consistency and exceptional performance.

Cetus HiPerSYN lubricants are specifically designed to meet the demanding requirements of today's production facilities, large and small. Cetus HiPerSYN oils are generally designed for applications with wider operating temperature ranges when compared to many oils. Additionally, the higher viscosity grade products are especially effective in high temperature applications, such as industrial bearings and gears that require R&O type synthetic gear oils. Cetus HiPerSYN oils' thermal and oxidative stability allows for usage in sootblowers. Cetus HiPerSYN Oil ISO 320 is recommended for use in oil lubricated mechanisms in DEISTER vibrating machines.

With Cetus HiPerSYN, you can benefit from long equipment life, and low maintenance and downtime – the keys to staying competitive in today's global economy.

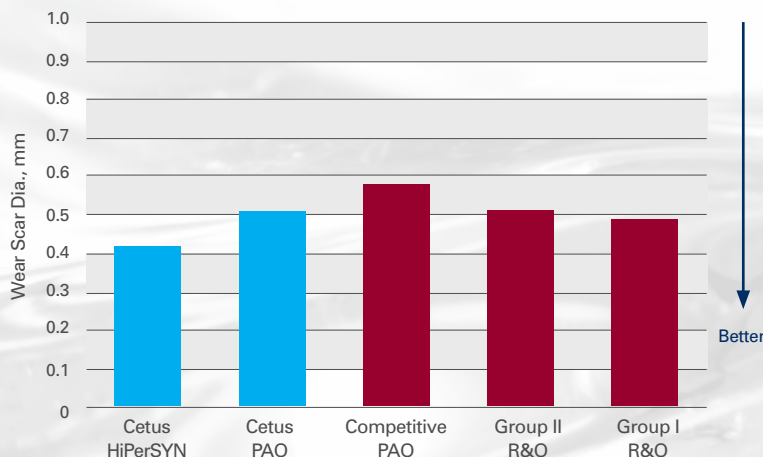
RPVOT Test – ASTM D2272

The Rotary Pressure Vessel Oxidation Test is a rapid test used to determine the oxidation stability of an oil in the presence of water, oxygen and copper, at 150°C. The results are reported in minutes.



Four-ball Wear Test – ASTM D4172

Determines the wear preventive performance of compressor oil by measuring the wear scar in a four-ball, sliding, steel-on-steel application under 40kg load, at 1200 rpm, at 75°C for 1 hour.

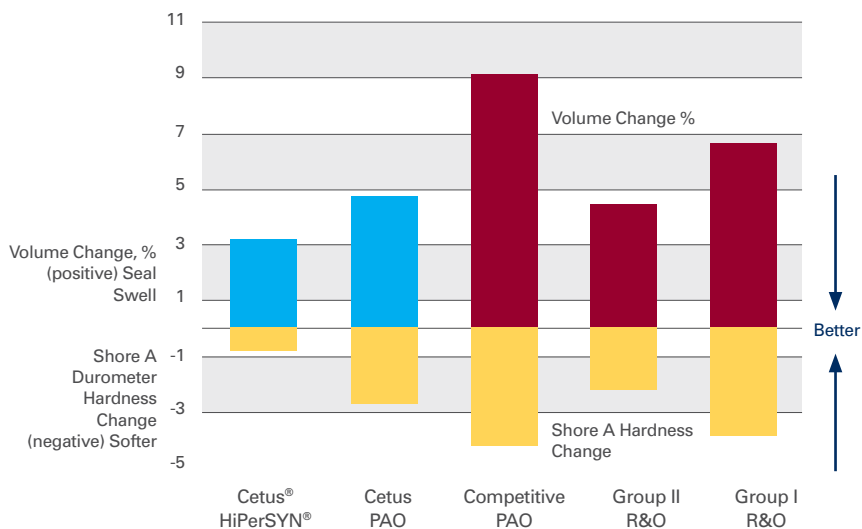


Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.



Rubber Seal Swell Test – ASTM D471

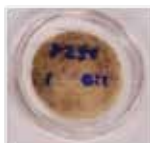
The Elastomer Compatibility Test determines the effects of a lubricant on an elastomer in the presence of heat. The hardness change and percent volume change are reported. Buna N Nitrile (NBR) is used (168 hour, 100°C).



Low Sludging Tendency

Sludge collected by 0.45 micron filter paper after running 1,000 hour TOST test where oil was heated with water and copper-iron catalyst at 95°C, with oxygen flow (3L/hour) for 1,000 hours.

Cetus HiPerSYN Sludge Resistance



Cetus HiPerSYN (11 mg) Image



Oil A (100.6 mg)



Oil B (362.9 mg)



Oil C (40 mg)

Sludge collected by 0.45 micron filter paper.

Other Test Results of Cetus HiPerSYN

Specifications Test	Test Method	Typical Result
Emulsion at 54 degrees C, mL-mL-mL (min.)	D1401	41-39-0 (10)
Rust Test	D665B	Pass
Copper Corrosion	D130	1B
Air Release at 50 degrees C, MIN	D3427	1.56
Foam Tendency/Stability Sequence I, mL/mL	D892	10/0

Applications

- Air Compressors (Vane, Screw)
- Industrial Components requiring a synthetic, R&O circulating oil
- Oil lubricated mechanisms in Deister vibrating machines

A Name You Can Trust Everywhere

Chevron, a leader in the oil industry for over 125 years, designed Cetus HiPerSYN gear lubricants for a wide variety of industrial and manufacturing applications worldwide.

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For more information, go to www.chevronlubricants.com

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