



# Cetus<sup>®</sup> HiPerSYN Oil 220

High performance synthetic compressor lubricant

## Product description

Cetus HiPerSYN Oil 220 is a synthetic compressor, bearing, and gear oil recommended for air compressors, especially portable and stationary rotary, vane, and screw compressors, industrial bearings and gears that require an R&O type synthetic gear oil.

## Customer benefits

- Advanced performance thermal and oxidation stability
- Low carbon forming tendencies help minimise sludge and deposits
- Promotes extended service intervals
- Offers low volatility
- Durable performance in rotary screw compressors

## Product highlights

- **Offers thermal and oxidation stability**
- **Helps minimise sludge and deposits**
- **Promotes extended service**
- **Low volatility formulation**
- **Contributes to compressor performance**

## Applications

- Cetus HiPerSYN Oil 220 is formulated to provide outstanding lubricating qualities for air compressors, especially portable and stationary rotary, vane, and screw compressors
- Cetus HiPerSYN Oil 220 is 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 soot-blowers, where reliable thermal and oxidative stability is required
- Cetus HiPerSYN Oil 220 also offers protection against the formation of oxidation by-products and acidic materials which may eventually cause deposits and varnish, rust, oxidation, and foaming. It has very good demulsibility characteristics allowing quick release of moisture and helps minimise entrained air, which could otherwise result in reduced lubricant film thickness and potentially lead to pump cavitation
- Cetus HiPerSYN Oil 220 is approved by Volvo as an extended drain drum eccentric oil in road machinery for all soil compactors. The drain interval has been extended to 3000 hours. It is formalized in the technical service bulletin (SB 160 COS 116)

## Approvals, performance and recommendations

### Approvals

- Technical service bulletin (SB 160 COS 116)

### Recommendations

- Cetus HiPerSYN Oils pass the acute aquatic toxicity (LC-50) criteria adopted by the U.S. Fish and Wildlife Service and the U.S. Environmental Protection Agency (EPA).

## Product maintenance and handling

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		
Test	Test Methods	Results
Viscosity Grade		220
<b>Shelf Life: 60 months from date of filling indicated on the product label</b>		
Kinematic viscosity at 40°C, mm <sup>2</sup> /s	ASTM D445	231
Kinematic viscosity at 100°C, mm <sup>2</sup> /s	ASTM D445	—
VI	ASTM D2270	147
Density at 15°C, kg/l	ASTM D1298	0.8550
Flash Point, °C	ASTM D92	252
Pour Point, °C	ASTM D97	-34
Colour	ASTM D1500	L0.5
Copper corrosion, 3h/121°C	ASTM D130	1B
Foam Seq I	ASTM D892	10/0
Oxidation stability	Modified	
Hours to 2.0 mg KOH/g acid number(a)	ASTM D943	12.000+
RPVOT	ASTM D2272	2800

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

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

**Disclaimer** Chevron accepts no liability for any loss or damage suffered as a result of using this product for any application other than applications specifically stated in any Product Data Sheet's.

**Health, safety, storage and environmental** Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application and in accordance with the recommendations provided in the Material Safety Data Sheet (MSDS). MSDS's are available upon request through your local sales office, or via the Internet. This product should not be used for purposes other than its intended use. When disposing of used product, take care to protect the environment and follow local legislation.

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