



# Cetus<sup>®</sup> DE 100

## Ultra high performance synthetic compressor lubricant

### Product description

Cetus DE 100 is an ultra high performance synthetic compressor lubricant specifically designed for reciprocating compressors operating at high discharge temperatures and pressures. It is also suitable for rotary vane and rotary screw compressors.

The synthetic formulation of Cetus DE 100 is based on diester technology and offers advanced thermal and oxidative stability with oxidation and corrosion resistance, along with reduced deposit formation and component wear. This advanced formulation also offers good low temperature performance and energy saving properties.

### Customer benefits

- Low deposit formation and deposit solvency characteristics aid compressor keep-clean performance and uptime
- Advanced formulation helps reduce oil consumption and oil carry-over, reducing running costs
- Assists reduction in varnish, sludge and deposit formation, helping reduce maintenance downtime
- Contributes to increased valve service life and cleanliness, offering increased system reliability
- High flash and fire points with higher auto-ignition point over conventional petroleum lubricants promotes increased safety margins

### Product highlights

- **Synthetic lubrication technology**
- **Advanced keep-clean system performance**
- **Promotes reduced oil consumption and carry-over**
- **Assists reduction in varnish, sludge and deposits**
- **Contributes to increased valve service life**
- **High flash, fire and auto-ignition points**

#### Selected specification standards include:

ISO

## Applications

- Cetus DE 100 can be used in portable and stationary rotary screw, rotary vane, and reciprocating compressors
- Cetus DE 100 is compatible with conventional non-detergent petroleum oils, although mixing will reduce the performance of the synthetic lubricant
- Cetus DE 100 can be used in compressors with the following gases: process air, benzene, butadiene, carbon dioxide (dry), carbon monoxide, ethylene, furnace (crack) gas, helium, hydrocarbon gases, hydrogen, inert gases, methane, natural gas, nitrogen, propane, sulphur hexafluoride, and synthesis gas
- Cetus DE 100 can be used in contact with the following seals, paints, and plastics: Viton, High nitrile Buna N, Teflon, Epoxy paint, Oil-resistant alkyd, Nylon, Delrin, Celcon

- Cetus DE 100 should not be used with: Neoprene, SBR rubber, Low nitrile Buna N, Acrylic paint, Lacquer, Polystyrene, PVC, ABS
- Cetus DE oils are registered with NSF and are acceptable as lubricants where there is no possibility of food contact (H2) in and around food processing areas. The NSF Non-food 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 labelling verification

## Approvals, performance and recommendations

### Performance

- ISO 6743-3: ISO-L-DAC

Typical test data		
Test	Test methods	Results
Viscosity Grade		100
Product Code		2079
Kinematic viscosity, 40 °C, mm <sup>2</sup> /s	ASTM D445	96.6
Kinematic viscosity, 100 °C, mm <sup>2</sup> /s	ASTM D445	10.2
Viscosity Index	ASTM D2270	84
Flash Point COC, °C	ASTM D92	252
Pour Point, °C	ASTM D97	-35
Density, 15 °C, kg/l	ASTM D4052	0.962

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 Sheets.

**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). MSDSs 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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