



marine lubricants

# Cetus<sup>®</sup> DE 100



## Description

Cetus<sup>®</sup> DE 100 is a premium performance, synthetic compressor oil based on diester technology. This offers outstanding thermal and oxidative stability with an effective oil film to protect loaded parts against corrosion and wear, even in case of high discharge temperatures and pressures. This advanced formulation also offers good low temperature performance and energy saving properties.

## Typical Characteristics

ISO Viscosity Grade	100
MPID	219400
Density 15°C, kg/l	0.96
Flash Point, °C	252
Pour Point, °C	-39
Viscosity, kinematic	
mm <sup>2</sup> /s @ 40°C	96.0
mm <sup>2</sup> /s @ 100°C	10.1
Viscosity Index	92

## Recommended Applications

Cetus DE 100 is recommended for stationary and portable reciprocating compressors, as well as for rotary screw and rotary vane compressors. The product is also suitable for the lubrication of anti-friction bearing assemblies operating under high temperature conditions (e.g. fans, blowers & process pumps). 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<sup>®</sup>, High nitrile Buna N<sup>®</sup>, Teflon<sup>®</sup>, epoxy paint, oil-resistant alkyd, nylon, Delrin<sup>®</sup>, Celcon<sup>®</sup>. Cetus DE 100 is compatible with conventional non-detergent petroleum oils, although mixing will reduce the performance of the product.

*The product should not be used with: neoprene, SBR rubber, low nitrile Buna N<sup>®</sup>, acrylic paint, lacquer, polystyrene, PVC, ABS and galvanized components. Cetus DE 100 is not recommended for use in breathing air compressors.*

### Cetus DE 100 Is Approved For:

- Hamworthy
- Matsubara
- Sperre
- Tanabe
- Yanmar
- Deno

### Cetus DE 100 Meets The Requirements Of:

- ISO 6743-3 ISO-L-DAB & ISO-L-DAJ

### Cetus DE 100 Is Suitable For Use In:

- Hatlapa
- Sauer & Sohn



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### Performance Benefits

#### 1. Efficient, Trouble-free Operation

The good oxidation stability of the formulated oil helps to resist oil degradation, even in newer, more efficient compressors with higher output. In addition to the low sludge and varnish and the low carbon deposit formation tendency on the valves and pistons in reciprocating compressors, the high solvency of the product aids to keep the compressor parts clean. This results in minimal compressor maintenance and cleaner discharge lines, filters and air vessels.

#### 2. Long Life

The advanced formulation with higher oil film strength minimizes oil carry over and promotes reduced oil consumption. The advanced thermal and oxidative stability permits oil drain intervals to be extended beyond those achieved with conventional lubricants.

#### 3. Rust Protection

Effective corrosion inhibition helps to protect against rust caused by moisture entering the system, particularly during shutdown and intermittent operation.

#### 4. Anti-Foam and Air Release Properties

Helps to prevent accumulation of surface foam in the crankcase and promotes adequate lubrication of the compressor components.

#### 5. Increased Safety Margins

High flash and fire points over conventional lubricants in combination with cleaner compressor operation reduces the risk of fire and explosions in discharge systems.



**Disclaimer.** Data provided in this PDS is based on standard tests under laboratory conditions and is indicative only. Minor variations which do not affect product performance are expected in normal manufacturing. This product should not be used for any purpose other than those expressly set out in this PDS. The user has sole responsibility for verifying that this product is suitable for the user's intended application. Recommendations differ between engine manufacturers so always consult your manual. Neither Chevron nor its subsidiaries make any warranty or representation as to the accuracy or completeness of this PDS and neither Chevron nor its subsidiaries accept liability for any loss or damage suffered as a result of the use of this product other than in accordance with the terms of this PDS. (September 2020)