Chevron
marine products

Cetus® VDL 100

Description

Cetus® VDL formulated with VARTECH™ Technology are a range of high-performance compressor lubricants, blended with high quality paraffinic base oils and an additive system designed to promote oxidation resistance, corrosion protection and a robust varnish deposit control performance. They are especially designed for air compressors, especially portable and stationary rotary, vane, screw and piston compressors.

Cetus VDL delivers stable high temperature oxidation resistance and is designed for reduced deposit formation on rotary screw and piston compressors. Its advanced formulation provides robust corrosion protection, foam inhibition, and extreme pressure performance to ensure reliable performance throughout its service life.

Cetus VDL provides demulsibility performance and helps to minimize entrained air, which could otherwise result in reduced lubricant film thickness and potentially lead to pump cavitation.

Typical Characteristics

ISO Viscosity Grade	**100**
MPID	**219442**
Appearance (SM 360)	1
Density at 15°C kg/l (ASTM D4052)	0.8704
Flash point, COC, °C (ASTM D92)	258
Acid Number, mg KOH/g (ASTM D974)	0.15
Kinematic Viscosity at 40°C, mm^2/s (ASTM D445)	100
Kinematic Viscosity at 100°C, mm^2/s (ASTM D445)	11.5
Copper Corrosion 3h, 100 (ASTM D130)	1b
Viscosity Index (ASTM D2270)	103
Oxidation Stability, RVPOT, min (ASTM D2272)	1850

Recommended Applications

Cetus VDL is recommended for:

- Single-stage and multi-stage reciprocating and centrifugal compressors, and oil flooded screw compressors
- Air, compressed natural gas (CNG) and inert gas, single-stage, and multi-stage reciprocating compressors
- Stationary, semi-portable and portable units
- Bath and circulating systems supplying rolling element bearings of all types, lightly loaded gear sets, vacuum pumps (including rotary vacuum pumps used in the dairy farming industry), machine tools (including computer controlled units), conveyors, electric motors, and low to moderate pressure hydraulic pumps where anti-wear properties are not required

Not recommended for use in breathing air compressors.

Cetus VDL 100 is approved for:

- ☑ **DongHwa Pneutec**

Cetus VDL 100 meets the requirements of:

- ☑ **DIN** 51506 VDL
- ☑ **GB 12691:** L-DAA
- ☑ **GB 12691:** L-DAB
- ☑ **ISO 6521-1:** ISO-L-DAA
- ☑ **ISO 6521-1:** ISO-L-DAB
- ☑ **ISO 6743-3:** ISO-L-DAA
- ☑ **ISO 6743-3:** ISO-L-DAB
- ☑ **ISO 6743-3:** ISO-L-DGA
- ☑ **SMS Group** SN 180-2

Cetus VDL 100 is recommended for use in:

- ☑ **Tanabe Pneumatic Machinery Reciprocating type compressors**
- ☑ **Hatlapa W-type, L-type, V-line piston compressors**
- ☑ **Sperre Classic 30 bar reciprocating air compressors**
- ☑ **Sauer air compressors**
- ☑ **Howden air compressors**
- ☑ **Hamworthy air compressors**

Performance Benefits

1. Potential maintenance and downtime savings
VARTECH™ Technology reduces varnish formation to help maintain peak performance, reliability, and productivity throughout the oil's service life. It helps reduce the build-up of harmful deposits on critical areas such as valves and bearings, hence maintaining compressor performance under severe operating conditions.

2. Enhanced equipment protection
Effective corrosion inhibition helps protect against rust and corrosion caused by high operating temperatures or moisture entering the system, particularly during shutdown and intermittent operation.

3. Operational reliability
Exceptional Oxidation and Thermal Stability assists with long service life resisting oil breakdown at high discharge temperatures with Minimal Deposit Formation.

Environment, Health and Safety

Information is available on this product in the Safety Data Sheet (SDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain an SDS for this product visit chevronmarineproducts.com.