

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:

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|---|---|
| <input checked="" type="checkbox"/> DIN 51506 VDL | <input checked="" type="checkbox"/> ISO 6743-3: ISO-L-DAA |
| <input checked="" type="checkbox"/> GB 12691: L-DAA | <input checked="" type="checkbox"/> ISO 6743-3: ISO-L-DAB |
| <input checked="" type="checkbox"/> GB 12691: L-DAB | <input checked="" type="checkbox"/> ISO 6743-3: ISO-L-DGA |
| <input checked="" type="checkbox"/> ISO 6521-1: ISO-L-DAA | <input checked="" type="checkbox"/> SMS Group SN 180-2 |
| <input checked="" type="checkbox"/> ISO 6521-1: ISO-L-DAB | |

Cetus VDL 100 is recommended for use in:

- | | |
|---|---|
| <input checked="" type="checkbox"/> Tanabe Pneumatic Machinery Reciprocating type compressors | <input checked="" type="checkbox"/> Sauer air compressors |
| <input checked="" type="checkbox"/> Hatlapa W-type, L-type, V-line piston compressors | <input checked="" type="checkbox"/> Howden air compressors |
| <input checked="" type="checkbox"/> Sperre Classic 30 bar reciprocating air compressors | <input checked="" type="checkbox"/> 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.



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.