

# Cetus VDL

## High Performance Compressor Oils



### Product 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.

### Customer benefits and product features

#### Customer benefits

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

#### Product features

- 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 excellent corrosion protection, foam inhibition, and extreme pressure performance, to ensure reliable performance throughout its service life.
- Cetus VDL provide demulsibility performance and help minimize entrained air, which could otherwise result in reduced lubricant film thickness and potentially lead to pump cavitation.

### 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.

### Product approvals, performance and recommendations

#### Performance standards

Cetus VDL range meets the following

- DIN 51 506: VDL (ISO 32, 46, 68, 100, 150)
- ISO 6743-3: ISO-L-DAG, DAH (ISO 32, 46, 68)
- ISO 6743-3: ISO-L-DAA, DAB (ISO 100, 150)
- ISO 6743-3: ISO-L-DGA (ISO 32, 46, 68, 100, 150)
- ISO 6521-1: ISO-L-DAA, DAB (ISO 32, 46, 68, 100, 150)
- GB 12691: L-DAA, L-DAB (ISO 32, 46, 68, 100, 150)

Cetus VDL is suitable for use in

- Atlas Copco, air compressors (ISO 46, 68)
- DongHwa Pneutec (ISO 100)
- Hamworthy, air compressors (ISO 100)
- Hatlapa, W-type, L-type, V-line piston compressors (ISO 100)
- Howden, air compressors (ISO 100)
- Kaeser, air compressors (ISO 46)
- Kaishan, air compressor (ISO 46)
- Sauer, air compressors (ISO 100)
- Sperre, Classic 30 bar reciprocating air compressors (ISO 100)
- Tanabe Pneumatic Machinery, reciprocating type compressors (ISO 100)
- Tanabe Pneumatic Machinery, air screw compressors (ISO 32, 46, 68)
- Teikoku, air compressors

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### Typical Test Data

CETUS VDL	RESULTS				
ISO Grade	32	46	68	100	150
Product Code	540621	540622	540623	540624	540625
Viscosity,					
mm <sup>2</sup> /s @ 40°C	32	46	68	100	150
mm <sup>2</sup> /s @ 100°C	5.5	6.9	8.9	11.5	15.0
Viscosity Index	108	106	104	103	100
Flash Point, COC, °C	220	236	248	258	284
Pour Point, °C	-36	-36	-36	-34	-27
Color	1	1	1	1	2
Acid Number, D974, mg KOH/g	0.17	0.17	0.17	0.17	0.17
Copper Corrosion, 3h 100°C	1b	1b	1b	1b	1b
Density, 15°C, kg/L	0.86	0.87	0.87	0.87	0.88
Foam Tendency/Stability, Seq I ml/ml	0/0	0/0	0/0	0/0	0/0
RPVOT, minutes	1800	1800	1800	1800	1000
FZG Fail load stage	12	12	12	12	12

ENVIRONMENT, HEALTH, and SAFETY. Information is available on this product in the Material Safety Data Sheet (MSDS) 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 a MSDS for this product, visit the Product Information Center.

This Product Data Sheet (PDS) was produced for the Africa, Middle East and Pakistan region in good faith from the best information available at the time of issue. The specific information included may not directly reflect the local market or conditions. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. For the most up-to-date, country-specific information, please contact your local customer service center.

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