



Cetus VDL

High performance compressor oils

Product description

Cetus® VDL is a range of high-performance compressor lubricants, especially designed to deliver reduced deposit formation in air compressors, especially portable and stationary rotary, vane, screw, and piston compressors.

Cetus VDL is formulated with varnish deposit control technology (VDC technology), blended with high quality paraffinic base oils and an additive system designed to enhance oxidation resistance, help provide corrosion protection and contribute to an improved varnish deposit control performance.

Customer benefits

- Advanced varnish deposit control technology helps minimise varnish formation, offering maintained peak performance and reduced maintenance downtime.
- Designed to help prevent deposit buildup on critical components, helping to enhance compressor efficiency.
- Helps provide protection from rust and corrosion, even under severe conditions.
- Helps maintain operational reliability with effective oxidation and thermal stability.
- Formulated to extend service life, resisting oil breakdown and minimising deposit formation.

Product highlights

- **Helps minimise varnish, enhancing performance and reducing downtime.**
- **Designed to help prevent deposit buildup, boosting compressor efficiency.**
- **Formulated to help protect against rust and corrosion in severe conditions.**
- **Promotes reliability with effective oxidation and thermal stability.**
- **Offers extended service life by resisting oil breakdown and deposits.**

Selected specification standards include:

Atlas Copco	DIN
DongHwa Pneutec	GB (China National Standards)
Hamworthy	Hatlapa
Howden	ISO
Kaeser	Kaishan
Sauer	Sperre
Tanabe Pneumatic Machinery	Teikoku

Applications

- 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.

Approvals, performance and suitable for use

Approvals and performance	32	46	68	100	150
DIN 51 506	M	M	M	M	M
ISO 6743-3: ISO-L-DAG, DAH	M	M	M		
ISO 6743-3: ISO-L-DAA, DAB				M	M
ISO 6743-3: ISO-L-DGA	M	M	M	M	M
ISO 6521-1: ISO-L-DAA, DAB	M	M	M	M	M
GB 12691:L-DAA, L-DAB	M	M	M	M	M

A: Approved for

M: Performance: Meets or exceeds requirements

Suitable for use

- 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)
- Kaishan, air compressor (ISO 46)
- Kaeser, air compressors (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 compressor

Product maintenance and handling

Avoid any spillage of used and unused product to the environment.

Product residue and package/container should be disposed of in dedicated collection points.

Typical test data						
Test	Test Methods	Results				
Viscosity Grade		32	46	68	100	150
Appearance	Visual	Br&Cl	Br&Cl	Br&Cl	Br&Cl	Br&Cl
Color	ASTM D1500	1	1	1	1	2
Density at 15°C, kg/l	ASTM D4052	0.86	0.87	0.87	0.87	0.88
Kinematic viscosity at 100°C, mm ² /s	ASTM D445	5.5	6.9	8.9	11.5	15.0
Kinematic viscosity at 40°C, mm ² /s	ASTM D445	32	46	68	100	150
Viscosity Index	ASTM D2270	108	106	104	103	100
Pour point, °C	ASTM D97	-36	-36	-36	-34	-27
Flash point COC, °C	ASTM D92	220	236	248	258	284
Foam Seq I, foam tendency/stability ml	ASTM D892	0/0	0/0	0/0	0/0	0/0
Acid Number, mgKOH/g	ASTM D974	0.17	0.17	0.17	0.17	0.17
RPVOT, min	ASTM D2272	1880	1800	1800	1800	1000
FZG Load carrying capacity (Fail Load stage)	ASTM D5182	12	12	12	12	12

The typical test data set out above does not constitute a specification. It is indicative only and can be affected by allowable production tolerances. Chevron may modify this test data. Modified data will supersede all previous data, so please ensure you refer to the latest version of this Product Data Sheet (PDS).

Disclaimer: Data provided in this Product Data Sheet (PDS) is based on standard tests under laboratory conditions and is indicative only. 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. Neither Chevron nor its subsidiaries (i) make any warranty or representation as to the accuracy or completeness of this PDS; and/or (ii) 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.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

When disposing of used product, take care to protect the environment and follow local legislation.

Safety Data Sheets (SDS's) are available for all Chevron products. If you require a SDS or any further information regarding a Chevron product, please contact your local sales office or see <http://europe.chevronlubricants.com>.

A Chevron company product