



Compressor Oil EP VDL

Reciprocating Air Compressor Oil

Product Data Sheet

Customer benefits

Potential maintenance and downtime savings

Low carbon-forming tendency reduces the build-up of harmful deposits on critical areas such as discharge valves, maintaining compressor performance under severe operating conditions. Effective corrosion inhibition protects against rust caused by moisture entering the system, particularly during shutdown and intermittent operation.

Oxidative and thermal stability

High temperature oxidation stability resists oil breakdown at high discharge temperatures in compressor crankcase applications.

Smooth operation

Effective anti-foam properties of the highly refined base oil and inhibitor system minimize the possibility of foaming and overflow in tanks and reservoirs. Air release properties protect against the interruption of lubrication due to entrained air.

Applications

Compressor Oil EP VDL is recommended for:

- Single-stage and multi-stage reciprocating and centrifugal compressors, and oil flooded screw compressors operating at high temperatures of up to 220°C
- Air or inert gas reciprocating compressors
- Stationary, semi-portable and portable units

Not recommended for use in breathing air compressors

Product features:

- **Compressor Oil EP VDL** is a high performance, petroleum-based compressor oil specifically designed for severe operating conditions.
- **Compressor Oil EP VDL** delivers stable high temperature oxidation resistance with reduced deposit formation on pistons and valves, excellent corrosion protection, foam inhibition, and extreme pressure performance.

Product specifications

COMPRESSOR OIL EP VDL KEY PROPERTIES					
ISO Grade Product Code	32 540585	46 540586	68 540587	100 540588	150 540589
Acid No., D974, mg KOH/g	0.1	0.1	0.1	0.1	0.1
Carbon Residue After Ageing, DIN 51352 Part 2, m %	1.3	1.9	2.3	2.3	2.3
Flash Point, COC, °C	224	234	244	248	286
Pour Point, °C	-27	-24	-18	-12	-12
Viscosity, mm ² /s @ 40°C	32	46	68	100	150
mm ² /s @ 100°C	5.4	6.9	8.9	11.0	14.6
Viscosity Index	105	102	101	97	95

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Performance standards

- Meets the test requirements of German Standard DIN 51506 Group VDL
- Compressor Oil EP VDL 100 is recommended by:
 - o Tanabe for use in their reciprocating-type compressors
 - o Sperre for use in their Classic 30 bar reciprocating air compressors
- Compressor Oil EP VDL 100 is suitable for use in Teikoku air compressors
- Compressor Oil EP VDL 100 has also been used successfully in Hatlapa and Hamworthy air compressors.

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: www.chevronlubricants.com.

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended.

Produced by:
Chevron Lubricants
- Asia Pacific