



Compressor Oil EP VDL

Reciprocating Air Compressor Oil

Product Data Sheet

Customer benefits

Saves on maintenance and downtime

Excellent oxidation stability and low carbon-forming tendency of the highly refined base oil and special inhibitor system reduces the build-up of harmful deposits on critical areas such as discharge valves, maintaining compressor performance under the severest operating conditions. The highly effective film forming corrosion inhibitor plates out on metal surfaces to protect against rust caused by moisture entering the system, particularly during shutdown and intermittent operation.

Long oil service life

High oxidation stability also resists oil breakdown at high discharge temperatures in compressor crankcase applications, permitting long oil drain intervals.

Trouble-free operation

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

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 pressures of up to 1000 bar and high temperatures.
- Reciprocating compressors where the manufacturer specifies DIN 51506 VDL oil.
- Air or inert gas reciprocating compressors.
- Stationary, semi-portable and portable units.
- Compressors where the manufacturer specifies a non-detergent, EP oil.
- Compression chamber and running gear of drip-feed rotary compressors (as appropriate).

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's** advanced additive technology delivers extremely stable oxidation resistance with reduced deposit formation on pistons and valves, excellent corrosion protection, foam inhibition, and superior extreme pressure performance.

Product specifications

COMPRESSOR OIL EP VDL KEY PROPERTIES					
ISO Grade	32	46	68	100	150
Product Code	540585	540586	540587	540588	540589
Acid No., D974, mg KOH/g	0.09	0.10	0.10	0.10	0.08
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

0807

Performance standards

- German Standard DIN 51506 Group VDL
- Recommended for use in Teikoku Machinery air compressors, Tanabe and Sperre reciprocating type compressors, Hatlapa V-Line piston type compressors, and Hamworthy vertical 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.caltexoils.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 Global Lubricants
- Asia Pacific