

Compressor Oil EP VDL

Reciprocating Air Compressor Oil



Product description

Compressor Oil EP VDL is a high performance, petroleum- based compressor oil specifically designed for severe operating conditions.

Customer benefits and product features

Customer benefits

Potential maintenance and downtime savings

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

Oxidative and thermal stability

High temperature oxidation stability helps resist 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 helps minimize the possibility of foaming and overflow in tanks and reservoirs. Air release properties help protect against the interruption of lubrication due to entrained air.

Product features

Compressor Oil EP VDL delivers stable high temperature oxidation resistance and is designed for reduced deposit formation on pistons and valves, excellent corrosion protection, foam inhibition, and extreme pressure performance.

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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 approvals, performance and recommendations

Performance standards

- German Standard DIN 51506 Group VDL
- Compressor Oil EP VDL 100 is recommended by:
 - Tanabe for use in their reciprocating-type compressors
 - 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.

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Typical test data

COMPRESSOR OIL EP VDL	RESULT				
ISO Grade	32	46	68	100	150
Product Code	540585	540586	540587	540588	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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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 Asia Pacific region based on the best available information at the time of issue. The specific information included may not directly reflect the market or conditions, and may vary. For the most up-to-date, country-specific information, please contact your local customer service center.