



Compressor Oil EP VDL

High performance compressor lubricants

Product Data Sheet

Product description

Compressor Oil EP VDL are a range of high performance compressor lubricants. These lubricants are formulated with high quality paraffinic base oils combined with an additive system designed to promote oxidation resistance, corrosion protection and robust extreme pressure characteristics.

Compressor Oil EP VDL offer smooth, economical performance and reliable protection against piston and valve deposit formation, helping reduce the risk of fire or explosion in compressors under severe service conditions.

Customer benefits

- Robust formulation promotes extended lubricant service life and equipment uptime
- Formulated to contribute to compressor performance and protection, helping reduce maintenance and downtime
- Aids reliable performance in severe, extreme pressure operations, promoting extended compressor service life
- Keep-clean performance assists protection against deposit formation and helps reduce fire and explosion risk
- Designed to promote protection against oxidation and system corrosion

Applications

- Compressor Oil EP VDL are recommended for stationary and portable compressors, including compressors with oil lubricated pressure space, such as single and multistage reciprocating compressors or single and multistage centrifugal compressors
- The EP VDL 32 and EP VDL 46 grades are recommended primarily for use in oil-flooded screw compressors as well as centrifugal compressors.

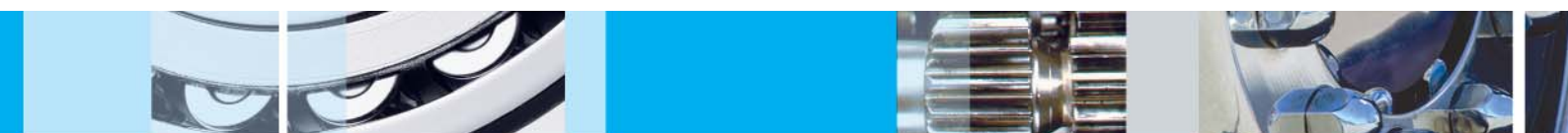
Product highlights:

- Extended lubricant service life
- Reduced maintenance and downtime
- Severe, extreme pressure protection
- Keep-clean performance
- High temperature oxidation and corrosion protection
- Selected specification standards include:
 - DIN 51506 VDL
 - Hamworthy air compressors
 - Hatlapa
 - Sperre
 - Tanabe
 - Teikoku air compressors

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At extremely high compression pressures (approximately 1000 bar), such as in multistage reciprocating compressors, the higher viscosity grades may be used. However, particular care should be observed regarding the prescribed viscosity specification, as required by the compressor manufacturer

- Compressor Oil EP can be used in air or inert gas reciprocating compressors
- Compressor Oil EP can be used in compressors where the manufacturer specifies a non detergent, EP oil of similar type and performance

Not recommended for use in breathing air compressors.

Approvals, performance and recommendations

Performance

- DIN 51506 VDL

Recommendations

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:

- Hatlapa W- & L-type, and V-Line piston compressors
- Teikoku air compressors

Compressor Oil EP VDL 100 has also been used successfully in Hamworthy air compressors.



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Typical test data

COMPRESSOR OIL EP VDL				
TEST	TEST METHODS	RESULTS		
Viscosity Grade		32	46	68
Product Code		540585	540586	540587
Visc. Kinematic at 40 °C	ISO 3104	32	46	68
Visc. Kinematic at 100 °C	ISO 3104	5.4	6.9	8.9
Visc. Index	ISO 2909	105	102	101
Colour	ISO 2049	<1	<1.5	<2
Flash Point, °C	ISO 2592	224	234	244
Pour point, °C	ISO 3016	-27	-24	-18
TAN, mg KOH/g	ASTM D0664	0.09	0.1	0.08
Density, 15 °C, Kg/l	ASTM D1298	0.874	0.879	0.885
Air Release at 50 °C, min	ISO DIS 9120	5	3	10
Foam Seq. I, IAB ml	ISO 6247	0	0	0
Foam Seq. I, AFT 10 ST ml	ISO 6247	0	0	0
Cu Corrosion, 3h, 100 °C	ASTM D0130	1a	1a	1a

continued

Typical test data

COMPRESSOR OIL EP VDL			
TEST	TEST METHODS	RESULTS	
Viscosity Grade		100	150
Product Code		540588	540589
Visc. Kinematic at 40 °C	ISO 3104	100	150
Visc. Kinematic at 100 °C	ISO 3104	11.0	14.6
Visc. Index	ISO 2909	97	95
Colour	ISO 2049	<2	<3
Flash Point, °C	ISO 2592	248	286
Pour point, °C	ISO 3016	-12	-12
TAN, mg KOH/g	ASTM D0664	0.08	0.08
Density, 15 °C, Kg/l	ASTM D1298	0.889	0.894
Air Release at 50 °C, min	ISO DIS 9120	15	20
Foam Seq. I, IAB ml	ISO 6247	0	0
Foam Seq. I, AFT 10 ST ml	ISO 6247	0	0
Cu Corrosion, 3h, 100 °C	ASTM D0130	1a	1a

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

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