



# Compressor Oil EP VDL

## High performance compressor lubricants

Product Data Sheet

### Product description

The Compressor Oil EP VDL range of high performance compressor lubricants are formulated with high quality paraffinic base oils in combination with robust additive technologies. These lubricants are designed to offer oxidation and corrosion protection and tough extreme pressure characteristics.

The Compressor Oil EP VDL range contributes to smooth, economical performance and dependable protection against piston and valve deposit formation, promoting reduced fire or explosion risk in compressors operating under severe service conditions.

### Customer benefits

- Advanced formulation offers extended lubricant service life and equipment uptime
- Designed to contribute to compressor performance and protection, helping reduce maintenance downtime
- Promotes reliability and performance in severe and extreme pressure operations, aiding extended compressor service life
- Offers reliable keep-clean protection against deposit formation, helping reduce fire and explosion risk
- Formulated to aid protection against oxidation and system corrosion

### Applications

- Compressor Oils EP VDL are recommended for stationary and portable compressors, including compressors with oil lubricated pressure space and 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:

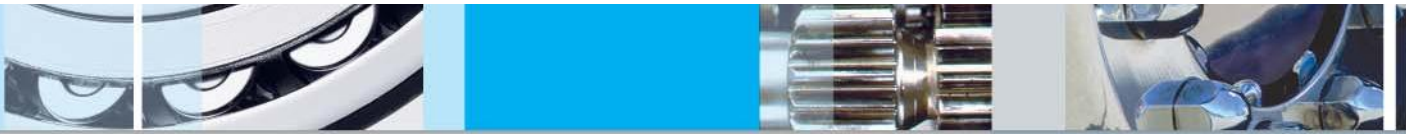
- Extended lubricant lifetime
- Reduced maintenance, increased uptime
- Severe extreme pressure protection
- Keep-clean equipment performance
- High temperature oxidation and corrosion resistance
- Selected specification standards include:
  - DIN 51506 VDL
  - Hamworthy air compressors
  - Hatlapa
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

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At extremely high compression pressures (in the region of 1000 bar), such as in multistage reciprocating compressors, the higher viscosity grades may be used. However, particular attention should be paid to the prescribed viscosity specification as specified 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		020921	024439	020922
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		024440	024441
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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