



Compressor Oil EP VDL

High performance extended life compressor fluid

Product description

Compressor Oils EP VDL are high performance extended life compressor fluids formulated with high quality paraffinic base oils and an additive combination designed to deliver robust and reliable oxidation and corrosion resistance with extreme pressure (EP) wear protection.

Advanced formulation Compressor Oils EP VDL are designed to maintain smooth, economical system reliability under severe operation, while robust high temperature keep-clean piston and valve performance helps prevent the risk of compressor fire or explosion.

Customer benefits

- Advanced formulation designed for extended fluid service life and dependable equipment uptime and performance
- Formulated to promote compressor performance and protection and help reduce maintenance downtime
- Designed for compressor reliability and performance in severe and extreme pressure operations, helping extend system service life
- Keep-clean piston and valve deposit formation protection, helps reduce compressor fire and explosion risk
- Aids protection against compressor system oxidation and corrosion

Product highlights

- **Designed for extended fluid service life**
- **Helps reduce maintenance downtime**
- **Formulated for severe and extreme pressure operations**
- **Offers keep-clean fire and explosion resistance**
- **Aids oxidation and corrosion protection**

Selected specification standards include:

DIN	ISO
Tanabe	Sperre
Hatlapa	Teikoku
Hamworthy	

Applications

- Compressor Oils EP VDL are recommended for stationary and portable air compressors, including compressors with oil lubricated pressure space, such as single and multistage reciprocating compressors or single and multistage centrifugal compressors
- Compressor Oil EP VDL 32 and Compressor Oil EP VDL 46 grades are recommended primarily for use in oil-flooded screw compressors as well as centrifugal compressors. Particular care should be taken of the prescribed viscosity specification, as required by the compressor manufacturer
- Not recommended for use in breathing air compressors

Approvals, performance and recommendations

Performance

- DIN 51 506: VDL
- ISO 6743-3: ISO-L-DAH & ISO-L-DAJ (ISO 32, 46 and 68)

Recommendations

Compressor Oil EP VDL 100 is recommended by:

- Tanabe for use in reciprocating-type compressors
- Sperre for use in Classic 30 bar reciprocating air compressors

Compressor Oil EP VDL 100 is suitable for use in:

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

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

Typical test data						
Test	Test Methods	Results				
Viscosity Grade		32	46	68	100	150
Shelf Life: 60 months from date of filling indicated on the product label						
Visc. Kinematic @ 40Deg C	ISO 3104	32	46.48	69.14	99.13	151.4
Visc. Kinematic @ 100Deg C	ISO 3104	5.4	7.11	9.29	11.87	15.34
Visc. Index	ISO 2909	105	112	111	109	103
Colour	ISO 2049	L0.5	L0.5	L0.5	L0.5	<3
Flash Point, Deg C	ISO 2592	224	230	252	278	282
Pour point, Deg C	ISO 3016	-33	-33	-33	-33	-33
TAN, mg KOH/g	ASTM D0664	0.09	0.1	0.08	0.08	0.08
Density, 15 Deg C, Kg/l	ASTM D1298	0.874	0.879	0.8351	0.8665	0.8772
Air Release @ 50 Deg C, min	ISO DIS 9120	5	5.1	4.7	14.1	20
Foam Seq. I, IAB ml, max	ISO 6247	50	50	50	50	50
Foam Seq. I, AFT 10 ST ml	ISO 6247	0	0	0	0	0
Cu Corrosion, 3h, 100 Deg C	ASTM D0130	1a	1a	1a	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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