



COMPRESSOR OILS

ADDINOL COMPRESSOR OIL VDL 46, 68, 100, 150

PRODUCT DESCRIPTION

ADDINOL Compressor oils VDL are highly ageing resistant lube oils for air compressors of all construction types in ISO VG 46 to ISO VG 150.

The ideal combination of high-quality mineral oil raffinates and effective additives guarantees an outstanding performance and ensures excellent corrosion protection and ageing resistance as well as a low tendency to form carbon residues and deposits.

APPLICATION

- Usable for air compressors of all construction types at compressor end temperatures up to +220 °C

ADDINOL Compressor oils VDL 46 and 68

- Excellent suitability for screw and rotary compressors under high thermal loads
- Recommended application, where special lubricants for screw compressors (improved proficiency level of VCL and VDL) are demanded

ADDINOL Compressor oils VDL 100 and 150

- Highly fit in heavy loaded piston compressors and other construction types

SPECIFICATIONS

Meets and surpasses the requirements of:

- DIN 51506
- ISO 6743-3 (L-DAH)

ADDINOL Compressor oil VDL is approved by:

- TÜV Essen (VDL 46, 100, 150)
- ATMOS Chrast (VDL 46, 68)
- LMF (VDL 100, 150)

Viscosity grade corresponds to:

- ISO classification 3448

DELIVERY

Delivery preferable in drums and 20 l cans.

CHARACTERISTICS

- Excellent oxidation and thermal resistance
- Good wear protection
- High ageing resistance
- Low evaporation losses
- Good viscosity-temperature behaviour
- Outstanding air separation and demulsification

ADVANTAGES AND BENEFITS

- Usable for critical applications
- Effective prevention of carbonisation and deposits
- Maximum protection of gears and bearings against wear
- Extended oil lifetime – reduction of operating costs
- Decrease of oil consumption
- Excellent lubrication and compression also at low and varying temperatures
- Entrained air is separated quickly
- Emulsification and foam formation is suppressed





ADDINOL COMPRESSOR OIL VDL 46, 68, 100, 150

SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test condition / unit		VDL 46	VDL 68	VDL 100	VDL 150	Method acc. to	
ISO viscosity grade			46	68	100	150	ISO 3448	
Density	at 15°C	kg/m ³	862	860	868	874	DIN 51757	
Viscosity	at 40°C	mm ² /s	45.4	64.8	96.5	151	ASTM D 7042	
	at 100°C	mm ² /s	7.1	8.8	11.3	15		
Viscosity index			116	109	103	99	DIN ISO 2909	
Flash point	COC	°C min.	240	252	268	285	DIN EN ISO 2592	
Pour point			°C max.	-32	-28	-24	-19	ASTM D 7346
Neutralisation number	mg KOH/g		0.23		0,25		DIN ISO 6618	
Corrosion protection on steel	method A and B	passed					DIN ISO 7120	
Corrosivity on copper	3h at 100°C	1B					DIN ISO 2160	
Air separation ability	at 50°C	minutes	3	5	8	15	ISO 9120	
Demulsifying properties	at 54°C	minutes	8	9	10 (82°C)	12 (82°C)	DIN ISO 6614	
Conradson carbon residue	wt-%		0.49	0.57	0.54	0.73	DIN 51352-2	
Foaming characteristics	at 24°C	ml / ml	0 / 0	0 / 0	0 / 0	0 / 0	ASTM D 892	
	at 93.5°C	ml / ml	0 / 0	0 / 0	0 / 0	0 / 0		
	at 24°C after 93°C	ml / ml	0 / 0	0 / 0	0 / 0	0 / 0		

ADDINOL - The Experts for High-Performance Lubricants

We at ADDINOL develop and produce more than 600 high-performance lubricants of the new generation. Among these are automotive lubricants for highest demands and pioneering developments for industrial applications. Our customers all over the world benefit from the high and stable quality of our ADDINOL high-performance lubricants, our know-how and the individual customer advisory service of our competent experts. Our company has world wide activities. ADDINOL high-performance lubricants are distributed by more than 90 international partners.

The data given in this product sheet represent our current level of knowledge and experience. Due to the various specific application they do, however, not discharge the user from his own examination. The information provided herein may not be used to derive a legally binding warranty of specific properties or the suitability for a certain purpose of application. Detailed security-concerning and toxicological data as well as security instructions for each product can be taken from the corresponding Material Safety Data Sheets (MSDS). High-performance lubricants from ADDINOL are under continuous development. Therefore, ADDINOL Lube Oil GmbH keeps the right to change technical data in this product data sheet without notification. In case of doubt, please do not hesitate to contact our customers' advisory service.