



## COMPRESSOR OILS

# ADDINOL COMPRESSOR OIL VDL 32 S, 46 S, 68 S

### PRODUCT DESCRIPTION

ADDINOL Compressor oils VDL ... S consist of synthetic oils based on PAO and a highly efficient additive combination for the improvement of ageing stability, corrosion as well as wear protection. Temperature range: -40°C up to +120°C

### APPLICATION

- Excellent suitability in all types of air compressors at discharge temperatures up to +220 °C
- Particularly suitable in **screw compressors** and **sliding vane compressors** because of the special additive combination
- Application also in selected refrigerating machines

### PLEASE NOTE

ADDINOL Compressor oils VDL ... S are far superior to compressor oils based on mineral oil. After the change from mineral oil-based oils to ADDINOL Compressor oils VDL ... S cleaning and oil change intervals can be extended considerably.

Depending on the operating conditions ADDINOL Compressor oils VDL ... S can achieve up to four times longer oil running times compared to conventional compressor oils VDL.

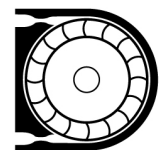
Reduced maintenance and repair costs effectuate a higher efficiency, which is ascribed to the faultless functioning and low control costs.

### CHARACTERISTICS

- High load carrying capacity
- Excellent thermal stability
- Very good oxidation resistance
- Outstanding cold flow behaviour
- Low evaporation loss
- High viscosity index
- Outstanding corrosion protection

### ADVANTAGES AND BENEFITS

- **Reliable wear protection**
- **Prevention of carbonisation and formation of residues**
- **Extension of oil lifetime – lowering of running costs**
- **Also applicable at low temperatures**
- **Reduction of oil consumption**
- **Insensitivity against viscosity changes at varying temperatures**
- **Prevention of corrosion and rust, also at adverse operating conditions**





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## SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test condition / unit		VDL 32 S	VDL 46 S	VDL 68 S	Method acc. to
ISO-VG			32	46	68	ISO 3448
Density	at 15°C	kg/m <sup>3</sup>	835	839	842	DIN 51757
Viscosity	at 40°C	mm <sup>2</sup> /s	32.1	44	66.2	ASTM D 7042
	at 100°C	mm <sup>2</sup> /s	6.1	7.6	10.5	
Viscosity index			140	141	147	DIN ISO 2909
Flash point	COC	°C	249	270	277	DIN EN ISO 2592
Pour point			-68	-64	-60	ASTM D 7346
Acid number	mg/KOH		0,20			DIN ISO 6618
Corrosion protection on steel	method A			passed		DIN ISO 7120
Corrosivity on copper	3 h at 100°C	corr.level	1			DIN EN ISO 2160
Air Separation Capacity	at 50°C	Corr.level	3	3	5	DIN ISO 9120
Demulsifying ability (time to 0 ml Emulsion)	at 54°C	min	5	10	15	DIN ISO 6614
Mechanical test acc. to FZG	load stage		> 12			DIN ISO 14635-1
Coke residue after aging with air and Fe <sub>2</sub> O <sub>3</sub>	mass%		0.6	0.6	0.7	DIN 51352-2
Foaming characteristics	at 24°C	ml / ml	< 50 / 0			ASTM D 892
	at 93.5°C	ml / ml	< 50 / 0			
	at 24°C after 93.5°C	ml / ml	< 50 / 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.