



## LUBOILS

# ADDINOL LUBE OIL CL 10, 32, 46, 68, 220

### PRODUCT DESCRIPTION

ADDINOL Lube oils CL are based on high quality mineral oil raffinates and an ideally adjusted additive combination.

### APPLICATION

- Excellent suitability for the lubrication of industrial gears and circulation systems with low to medium loads requiring lube oils CL with DIN 51517-2 according to manufacturer's instructions
- Applicable as circulating oil if the circulating system does not demand EP additivated oil
- Suitable for the lubrication of sliding and roller bearings
- Fit for the general machine lubrication
- Applicable for the operation of simple hydraulic systems and compressors

### SPECIFICATIONS

Meets the requirements of the following specifications:

- DIN 51517-2 (CL)
- DIN 51506 (VBL)
- DIN 51524-1 (HL)

Viscosity grade corresponds to:

- ISO 3448
- DIN 51519

### DELIVERY

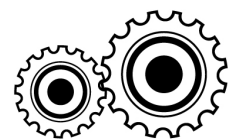
Delivery preferable in drums and 20L cans.

### CHARACTERISTICS

- High ageing stability
- Excellent protection against corrosion and non-ferrous metal corrosion
- High natural viscosity index
- Good water separation ability
- Inhibition of foam

### ADVANTAGES AND BENEFITS

- Long oil lifetime
- Extended oil change intervals are possible
- Very good protection of machine parts
- Good viscosity-temperature behaviour, excellent cold flow ability
- Contaminations with water are separated quickly, no emulsifying
- Effective protection against foam formation in practical application





# ADDINOL LUBE OIL CL 10, 32, 46, 68, 200

## SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test condition / unit		CL 10	CL 32	CL 46	CL 68	CL 220	Method acc. to
ISO viscosity grade			10	32	46	68	220	DIN 51519
Density	at 15°C	kg/m <sup>3</sup>	850	854	860	868	893	DIN 51757
Viscosity	at 40°C	mm <sup>2</sup> /s	10	32	46	68	220	ASTM D 7042
Flash point	COC	°C min.	160	230	245	250	281	DIN EN ISO 2952
Pour point		°C max.	-36	- 33	- 30	-30	-22	ASTM D 7346
Demulsifying ability	at 54°C	min	10	10	15	20	20*	DIN ISO 6614
Corrosion protection on steel	Method A		passed					DIN ISO 7120
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					

\* at 82°C

### 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.