



GUIDEWAY OILS

ADDINOL GUIDEWAY OIL XG 32, XG 68, XG 220

PRODUCT DESCRIPTION

ADDINOL Guideway oils XG are mixtures of high-quality mineral oil raffinates and special ash-free additives which prevent stick-slip effects. Furthermore, the oils are characterized by an excellent water separation ability, very good ageing stability and outstanding corrosion protection as well as improved load-carrying capacity.

APPLICATION

- Excellent suitability for the lubrication of horizontal and vertical slideways and guideways in machine tools and other machinery, also suited for plastic-coated slideways
- Fulfil easily the requirements on the hydraulic oils according to DIN 51524-2 (HLP) and on gear oils according to DIN 51517-3 (CLP)

ADDINOL Guideway oil XG 32 and XG 68 are particularly suitable for horizontal guideways with medium load conditions (i.e. in slideways and guideways of milling, turning and drilling machines, long-block leveller, circular and surface grinding machines). Also suitable as ash-free hydraulic oil.

ADDINOL Guideway oil XG 220 is particularly suitable for vertical guideways with high load conditions, e.g. in guideways and carriages of vertical boring and turning mill, portal milling machines, spindles at lifting and transport devices. Also suitable as gear oil CLP 220.

CHARACTERISTICS

- Good demulsifying ability and resistance towards watery cooling lubricant
- Improved anti-stick-slip behaviour
- Enhanced ageing stability
- Increased load-carrying capacity
- Multifunctional properties
- Excellent corrosion protection

SPECIFICATIONS

Meets the classifications of:

- ISO 6743/4: HG
- ISO 6743/13: GA und GB

Meets the requirements of:

- DIN 51502 (CGLP)
- DIN 51524-2 (HLP)
- DIN 51517-3 (CLP)

Viscosity grade corresponds to:

- ISO classification 3448

DELIVERY

Delivery preferable in drums and 20 l cans.

ADVANTAGES AND BENEFITS

- Prevents formation of sticky residues at guideways effectively
- Extends operating period of cooling lubricant and guideway oil
- Jerk-free sliding at the start-up process
- High quality of the workpieces, low wear
- Long operating time of the lubricant
- Usable also at heavy loads
- Product rationalisation
- Prevention of rust and spotting on guideways





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SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test condition / unit		XG 32	XG 68	XG 220	Method acc. to
ISO viscosity class			32	68	220	DIN 3448
Density	at 15°C	kg / m ³	867	874	895	DIN 51757
Viscosity	at 40°C	mm ² /s	31.8	68.4	222	ASTM D 7042
	at 100°C	mm ² /s	5.5	8.9	18.8	
Flash point	COC	°C min.	228	257	267	DIN EN ISO 2592
Pour point		°C max.	-32	-26	-22	ASTM D 7346
Aging behaviour after 1000h	NZ	mg KOH / g	< 2.0			DIN EN ISO 4263-1
Corrosion protection on steel	method A + B	corr. level	passed			DIN ISO 7120
Corrosivity on copper	3h at 100 °C	corr. level	max. 1			DIN ISO 2160
FZG-Test A/8,3/90		scuffing load stage	> 12			DIN ISO 14635-1
Anti-stick-slip behaviour		1.25 MPa	stick-slip free			in-house-test

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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.