HYDRAULIC FLUID

ADDINOL SYSTEM CLEANER 1-33

PRODUCT DESCRIPTION

ADDINOL System Cleaner 1-33 is a highly effective cleaning concentrate for lubrication systems, particularly for hydraulic circuits and gears operating on mineral oil basis or synthetic hydro-carbons (e.g. PAO).

APPLICATION

- Preferred usage in hydraulic plants and gears
- Excellent suitability for the system cleaning before oil change

Usable for lubricating systems (hydraulics, gears) with:
- Lubricating oil based on mineral oil
- Lubricating oil based on synthetic hydrocarbons

NOT usable for:
- Lubricating oil based on esters (e.g. HETG or HEES oils)
- Lubricating oil based on polyglycol

DELIVERY

Delivery preferable in 20 l cans.

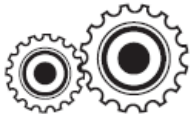
PLEASE NOTE

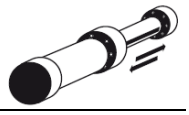
- **Add the product ca. 50 to 250 hours before the planned oil change to the oil filling**
- **Application concentration: 1.5 up to 5%**
- **At strong contaminations: up to 10%**
- **Maximum cleaning effect during the limited continued operation of the concerned installation with the cleaning result being positively influenced by higher temperatures (approx. 60 – 90°C) and a little prolonged usage within the aforesaid margin**
- **It is recommended to control filters and other cleaning devices carefully and if necessary, to change them or to clean them separately**

PLEASE NOTE

Application temperatures should not exeed 90°C!

CHARACTERISTICS	ADVANTAGES AND BENEFITS
• Excellent cleansing properties	• **Solid or resinous deposits are dissolved and held in suspense – disposal with used oil during oil change**
• Outstanding dispersing ability	• **Decomposition is not possible**
• Compatible with common ash-free and ash-containing hydraulic and circulating oils	• **Very thorough cleaning**
• Very good corrosion and wear protection	• **Continued operating of the respective device until oil change is guaranteed**
• Free from pollutants (chlorine, PCB's, etc.), free from toxic heavy-metals compounds	• **No health hazards at intended use**





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SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test condition / unit		System Cleaner 1-33	Method acc. to
Density	at 15℃	kg / m³	900	DIN 51757
Viscosity	at 40℃	mm²/s	42	ASTM D 7042
Flash point	COC	℃	min. 180	DIN EN ISO 2592
Neutralisation number		Mg KOH/g	< 4.0	DIN 51558-1
Application concentration		%	1.5 – 5.0 up to 10 (at strong contaminations)	

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 70 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.

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