

PRODUCT INFORMATION



RENOLIN MR 2835

Detergent Hydraulic Oil for transmissions and bearings.

Application

- A detergent hydraulic oil that is especially formulated for circuits operating under severe service conditions and/or that require water absorbing properties.
- Especially recommended for machine-tools that are susceptible to having their hydraulic oil contaminated by the soluble cutting fluid.
- It exceeds the following quality levels:
DIN 51524 P2 HLP
DIN 51517 P3 CLP
MAN N 698 (HLPD type hydraulic oil)
- When one adds **RENOLIN MR** to a hydraulic circuit which has been in service for many hours, from the detergent properties of **RENOLIN MR** itself, one obtains a cleaning effect throughout the entire circuit, moving the dirt to the filters. Consequently, the most delicate mechanisms of the hydraulic circuit are kept clean, extending their service lives.
- Optimal anti-wearing/EP properties, which considerably extend the service life of the pumps, even under heavy work load conditions.
- Excellent resistance to rusting, minimising the appearance of insoluble compounds arising from the degrading of the oil, making them ideally suited for a prolonged service life.

Properties and Advantages

- Excellent tolerance to water: The **RENOLIN MR** oils are capable of absorbing up to 3% in water, still preserving their properties, such as viscosity, anti-wearing properties and anticorrosion protection, filterability, easy venting and the lack of foam formation.
- Optimal anticorrosion properties, which lead to effective protecting of the metal surfaces against rust. Moreover, it does also not attack copper or its alloys.
- Good surfactant properties, avoiding the harmful stable formation of foam.
- Improved fluidity at low temperatures, ensuring proper starting in cold environments and assuring adequate lubrication.

1 of 3



The information contained in this leaflet is, in our opinion, full and correct. We will not be held liable for inappropriate use which customers may make of the product; they are the only persons liable for such an action. The values provided are average values and any minor difference is because of fluctuations inherent to the manufacture method.

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RENOLIN MR 2835 (continued)

2 of 3

Technical Information

Characteristics	Unit	Value	Standard
Kinematic viscosity at 40 °C	cSt	28 - 32	DIN 51550
ISO viscosity degree	VG	32	ISO 3448
Viscosity index		320	DIN 51564
Density 20°C	g/ml	0.875	DIN 51757
Burning point	°C	210	DIN 51376
Freezing point	°C	<-44	DIN 51597
Neutralisation index	mg KOH/g	0.5	DIN 51558
Sulphated ashes	g/100g	0.9	DIN 51575
Water pollution	g/100g	Not apparent	DIN 51582
Contam. with insolubles	g/100g	Not apparent	DIN 51592
Water de-emulsion	min	Nil	DIN 51599
Foaming props.: immediate	ml	0	DIN 51566
after 10 mins.	ml	0	DIN 51566
Copper corrosion	degree	1-100A3	DIN 51759
Steel corrosion	degree	0-A	DIN 51585
Aging: Increase in viscosity	% vol	2	DIN 51586
Precipitation index	ml	<0.05	DIN 51586
FZG test	degree	10	DIN 51354
Weight amendment after work	mg/kwh	<0.15	
Vickers test. Pallets pump. Weight loss after 250 hrs.	mg	approx. 25	DIN 51389



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RENOLIN MR 2835 (continued)

3 of 3

Method of use

This product is compatible with the most usual mineral based hydraulic fluids. However, in order to fully appreciate its high performance qualities, the circuits should be completely cleaned before filling. For this purpose we recommend cleaning using RENOCLEAN HISPOL or RENOLIN LD-10.

Precautions

Store the drums under cover in order to avoid the possible rainwater leaks into them. Where this is not possible and where they must be stored outdoors, the drums should be laid on their sides and be covered with a tarpaulin.

Health, Safety and Environment

Information is provided for products in the relevant Safety Data Sheet.

Ref.: 051



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