



RENOLIN B

Anti-Wear Hydraulic Oil according to DIN 51524-2

Product Code: 403 (Jan, 2008)

Description

RENOLIN B oils are premium quality anti-wear hydraulic oils made from highly refined base oils. They contain high quality additives which improve ageing resistance and oxidation stability. They guarantee excellent protection against wear and corrosion and provide good water separation properties.

They are designed primarily as superior heavy-duty anti-wear hydraulic oils for use in modern high-pressure hydraulic systems.

Specifications

- DIN 51524-2: HLP
- ISO 6743-4: HM
- Denison HF-1, HF-2, HF-0
- Vickers I 286-S, M 2950-S
- Cincinnati Milacron P68, P69, P70
- US Steel 126, 127
- AFNOR NFE 48603
- AFNOR NFE 48690 (dry) and NFE 48691 (wet)

Features

- Excellent protection against wear
- Good corrosion protection – steel
- Good corrosion protection – copper
- High oxidation (ageing) stability

- Excellent demulsibility
- Excellent multi-metal compatibility under-high temperature and/or water contamination
- Excellent filtration behaviour (dry, wet)
- Good performance at low and high temperatures and high loads
- Good resistance to foaming
- Good air-release/de-aeration properties

Application

RENOLIN B oils are applicable where HLP type hydraulic oils are recommended.

Recommended for industrial, marine, mobile and stationary hydraulic equipment.

They are suitable for construction machinery, forklifts, and cranes etc.

They also satisfy many other lubrication applications like machine tools, gear cases and bearing systems. They meet DIN 51517.

Note

RENOLIN B oils should not be used for systems containing Silver or where Zinc-free oils are recommended. For such applications RENOLIN ZAF B oils should be used.

Product Characteristics*

Properties	Units	Values										Test Methods
ISO Grade		10	15	22	32	46	68	100	150	220	320	DIN 51 519
Viscosity@ 40°C	mm ² /s	10.3	15	22	32	46.9	68	99.5	149	220	320	ASTM D-445
@ 100°C	mm ² /s	2.7	3.4	4.3	5.4	6.9	8.8	11.1	14.6	19	24	ASTM D-445
Viscosity Index	-	98	98	100	102	102	99	96	96	97	95	ASTM D-2270
Density @ 35°C	Kg/m ³	835	840	856	864	868	873	877	881	885	889	ASTM D-4052
Neutralization no.	mg KOH/g	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	ASTM D-664
Flash Point	°C	176	190	210	214	222	232	240	250	254	260	ASTM D-92
Pour Point	°C	-30	-30	-27	-24	-24	-24	-18	-15	-12	-12	ASTM D-97

*The information and figures given here are typical of current production and conform to specification, minor variations may occur.

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