



RENOLIN B

Anti-wear hydraulic Oil according to DIN 51524-2

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.

TYPICAL 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	10.0	15	22	32	46	68	100	150	220	320	ASTM D-445
@ 100°C	mm ² /s	2.67	3.40	4.32	5.37	6.72	8.73	11.3	14.9	19.1	24.1	ASTM D-445
Viscosity Index	-	98	98	100	99	97	99	98	98	97	95	ASTM D-2270
Sp. Gravity@ 85/85°F	g/cm ³	0.845	0.847	0.866	0.868	0.873	0.88	0.882	0.888	0.891	0.892	ASTM D-1298
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	166	170	210	214	222	232	240	248	258	264	ASTM D-92
Pour Point	°C	-30	-30	-27	-24	-24	-24	-18	-15	-12	-12	ASTM D-97