

## 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 an corrosion and provide good water separation properties.

#### 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 behavior (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.

### CHARACTERISTICS

Properties	Unit					Value								Test Method
ISO Grade		10	15	22	32	46	68	100	150	220	320			ASTM D-519
Viscosity @ 40 °C	mm <sup>2</sup> /s	10.3	15	22	32	46.9	68	99.5	149	220	320			ASTM D-445
@ 100 °C	mm <sup>2</sup> /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 <sup>3</sup>	835	840	856	864	868	873	877	881	885	889			ASTM D-4052
Neutralization no.	mgKOH/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

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