

## RENOLIN B HVI

### High VI hydraulic Oil according to DIN 51524-3

#### Description

RENOLIN B HVI oils are premium quality hydraulic oils that have a very high viscosity index and low pour point. As a result of high viscosity indexes and the extremely low pour points, these oils may be considered as multi-grade products. They are formulated from high quality paraffinic base oils and contain corrosion and oxidation inhibitors as well as anti-foam and anti-wear additives.

#### Application

RENOLIN B HVI oils have been developed to meet the severe requirements of hydraulic systems found in modern construction equipment. High working pressures, low temperature oil thickening and elevated temperatures can promote premature wear on hydraulic systems' components.

RENOLIN B HVI oils have been formulated to alleviate these conditions to ensure long and trouble free life for pumps, motors, valves and actuating cylinders. The 46 & 68 ISO grades will easily surpass the requirements of the Vickers Vane Pump wear test.

RENOLIN B HVI oils meet the requirements of

- DIN 51524 Part 3 (HVLVP)
- Denison HF-0 (including T6C-020)
- Sperry Vickers M-2950-s / I-286-S3
- Cincinnati Milacron P-68/69/70
- AFNOR NF E 48-603
- ASLE 64-1 to 64-4 & 70-1 to 70-3
- CETOP RP91H

They are suitable for use in hydraulic systems of diggers, graders, excavators, and cranes that have small, compact systems operating at pressures of 2,500 psi and above. The ISO 68 grade is particularly recommended for the hydraulic systems of *Poclair* excavators. In addition these oils are especially compatible with the requirements of industrial high-pressure hydraulic systems.

### CHARACTERISTICS

Properties	Unit	Value						Test Method
ISO Viscosity Grade		15	22	32	46	68	100	
Viscosity@ 40 °C	mm <sup>2</sup> /s	15.55	21.75	32.4	47.6	68.4	101	ASTM D-445
@ 100 °C	mm <sup>2</sup> /s	3.96	4.87	6.6	8.4	11.2	14.7	ASTM D-445
Viscosity Index		160	154	155	153	158	151	ASTM D-2270
Density @ 35 °C	kg/m <sup>3</sup>	840	851	866	876	869	873	ASTM D-1298
Flash Point	°C	192	216	224	234	244	232	ASTM D-92
Pour Point	°C	-27	-36	-36	-36	-36	-36	ASTM D-97
Neutralization Number	mg KOH/g	0.5	0.5	0.5	0.5	0.5	0.5	ASTM D-974
Rust Preventive Test		Pass	Pass	Pass	Pass	Pass	Pass	ASTM D-665A&B