

PETRONAS HIDROBAK HV

HIGH PERFORMANCE HYDRAULIC OILS

PETRONAS HIDROBAK HV series includes premium quality anti wear, shear stable type hydraulic oils. These are blended from hydro treated base stocks along with additives to impart anti wear performance and the protection from rust and corrosion.

Applications

- Hydraulic and fluid power transmission systems subjected to wide variations in temperature and where low viscosity change is acceptable with the fluctuating temperature.
- Typical applications include excavators, cranes, shovels, drills, crawlers etc.
- Also suitable for delicate and precision machines and instruments where variations in breaking torque caused by viscosity changes must be contained within the closest possible limits.

Benefits

- Excellent oxidation and thermal stability prevents oil degradation and sludge formation.
- Excellent anti wear properties ensures longer pump life.
- Good water separability and anti foam characteristics.
- Rust and corrosion protection.
- Low temperature fluidity eliminates warm up time and energy requirement.
- Excellent shear stability ensures longer drain interval and pump durability.

Specifications

- ISO 6743/4 – Hydraulic oils type HV
- Cincinnati Milacron P-68, P-69, P-70
- Eaton M-2950-S
- AFNOR NFE 48-603
- DIN 51524 part III
- Denison HF-0
- Eaton I-286-S3

Typical characteristics:

CHARACTERISTIC	METHOD	PETRONAS HIDROBAK HV			
		32	46	68	100
ISO VG	—	32	46	68	100
DENSITY @ 29.5 °C, g/cc	ASTM D 4052	0.85	0.86	0.86	0.86
KINEMATIC VISCOSITY @ 40 °C, cSt	ASTM D 445	32	46	68	100
VISCOSITY INDEX	ASTM D 2270	150	150	150	150
FLASH POINT °C, min	ASTM D 92	235	240	245	245
POUR POINT, °C, max	ASTM D 97	-30	-30	-30	-30
WATER SEPARABILITY, mins	ASTM D 1401 / ISO 6614	10	10	10	20
AIR RELEASE 50 °C, mins	ASTM D 3427 / ISO 9120	3	3	4	8
FZG GEAR TEST (A8.3 / 90)	DIN 51354	10	10	12	12
RUST TEST	ASTM D 665	PASS	PASS	PASS	PASS



Customer Advice

This product data sheet and the information contained therein is believed to be accurate. Data provided is based on standard tests under laboratory conditions and is given as a guide only. No responsibility is taken by the company for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. For further assistance on product MSDS, recommendation or technical queries, please liaise with the regional technical services engineer or contact HQ technical engineers.

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