

PETRONAS HIDRAULIC HL

GENERAL PURPOSE MACHINERY, GEAR AND HYDRAULIC OILS

PETRONAS HIDRAULIC HL series includes premium quality machinery circulating and hydraulic oils manufactured from solvent refined base stocks. Additives for prevention of rust and oxidation are incorporated to enhance the performance.

Applications

- These oils can be used for all industrial machinery lubrication requirements where load and temperatures are light to moderate.
- High viscosity grades are suitable for use in circulating lubrication system for bearings, gears and all crank case mechanism which are subjected to light to medium loads.

Benefits

- Resistance to oxidation and thermal degradation.
- Excellent water separation characteristics.
- Good seal compatibility.
- Excellent anti rust and anti corrosion properties.

Specifications

- ISO 6743/4 – Hydraulic oils type HL
- DIN 51524 part I- Circulating oil type CL
- DIN 51517 part I

Typical characteristics:

CHARACTERISTIC	METHOD	PETRONAS HIDRAULIC HL						
		46	68	100	150	220*	320*	460*
ISO VG		46	68	100	150	220*	320*	460*
DENSITY @ 29.5 °C, g/cc	ASTM D 4052	0.86	0.87	0.87	0.88	0.88	0.89	0.9
KINEMATIC VISCOSITY @ 40 °C, cSt	ASTM D 445	46	68	100	150	220	320	460
VISCOSITY INDEX	ASTM D 2270	105	105	100	100	95	95	95
FLASH POINT °C, min	ASTM D 92	220	245	250	255	260	260	260
POUR POINT, °C, max	ASTM D 97	-9	-9	-6	-6	-6	-6	-6
RUST TEST	ASTM D 665	PASS	PASS	PASS	PASS	PASS	PASS	PASS

*Made available on request.

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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