

YOKOHAMA / **HYDRO****ANTI-WEAR HYDRAULIC OILS**

HLP / HM | 22 / 32 / 37 / 46 / 68 / 100

PRODUCT DESCRIPTION

YOKOHAMA HYDRO is a series of conventional mineral-based, anti-wear hydraulic oils intended for industrial and suitable mobile fluid-power systems. Designed to maintain lubrication in hydraulic pumps, valves and actuators, the range helps manage component wear, oxidation, corrosion and deposit formation. Water separation, filtration, air release and foam control support consistent pressure transmission and hydraulic circuit cleanliness over normal operating conditions.

APPLICATIONS

For industrial presses, plastic injection-moulding machines, machine tools, power units and suitable mobile hydraulic equipment requiring HLP/HM fluids. Grade selection for vane, gear and piston pumps considers operating temperature, hydraulic loading and circuit flow requirements. Fire-resistant, biodegradable and high-viscosity-index HV/HVLP applications require their own specifically selected lubricant category.

PERFORMANCE SPECIFICATIONS

DIN 51524-2 HLP	FIVES CINCINNATI P-68 (32) / P-70 (46) / P-69 (68)
ISO 11158 HM / 6743-4 HM	ASTM D6158 HM
U.S. STEEL 127 / 136	PARKER DENISON HF-0 / HF-1 / HF-2
AFNOR NF E 48-603 / 48-690 / 48-691	EATON VICKERS M-2950-S / I-286-S3
BOSCH REXROTH RE 90220	JCMAS / GM HK / LS-2
SAE MS 1004	

TYPICAL TECHNICAL CHARACTERISTICS

PROPERTY	TEST METHOD	TYPICAL VALUE					
		22	32	37	46	68	100
Kinematic Viscosity at 40°C (mm ² /s)	ISO 3104	21.67	31.83	37.00	45.40	69.07	98.43
Viscosity Index	ISO 2909	99.0	98.5	103.0	98.0	97.5	97.0
Flash Point (COC) (°C)	ISO 2592	205.00	216.00	217.00	225.67	232.00	241.00
Pour Point (°C)	ISO 3016	-29.00	-28.00	-27.00	-27.00	-22.00	-21.00

Note: The values shown in this table are typical values and do not constitute product specifications. Minor variations may occur between production batches due to normal manufacturing tolerances.