

HYDRO HM is a range of ISO-L-HM type hydraulic mineral oils for hydraulic transmission and control circuits.

PERFORMANCES

NF ISO 11158 / NF E 48.603 : ISO-L-HM 15 22 32 46 68 100 150 200

DIN 51524 Partie 2 : HLP 15 22 32 46 68 100 150 200

JCB uses

JCB 4002/1000 – ISO VG 32

JCB 4002/0700 – ISO VG 46

JCB 4002/0800 – ISO VG 68

ADVANTAGES

HYDRO HM hydraulic oils are formulated with highly refined base oils and additives which give them the anti-wear, anti-oxidant, anti-corrosion and anti-foam properties necessary for use in hydraulic transmissions and control circuits operating in moderate temperature and pressure conditions.

USES

Public works equipment: cranes, power shovels and miscellaneous machines.

Lifting and handling equipment.

Agricultural machinery: lifting tools.

Technical data sheet



PHYSICO-CHEMICAL PROPERTIES

Characteristics	Standards	Units	Values			
			15	22	32	46
Grades	ISO-VG	-	15	22	32	46
Density at 15°C	ASTM D4052	g/cm ³	0.858	0.865	0.872	0.875
Kinematic viscosity at 40°C	ASTM D7042	mm ² /s	15.0	22.0	31.8	46.4
Kinematic viscosity at 100°C	ASTM D7042	mm ² /s	3.40	4.30	5.45	6.85
Viscosity index	ASTM D2270	-	101	102	106	102
Flash point	ASTM D97 B	°C	184	190	226	228
Pour point	ASTM D92	°C	-40	-35	-28	-25

Characteristics	Standards	Units	Values			
			68	100	150	220
Grades	ISO-VG	-	68	100	150	220
Density at 15°C	ASTM D4052	g/cm ³	0.882	0.887	0.892	0.896
Kinematic viscosity at 40°C	ASTM D7042	mm ² /s	67.9	98.9	149.6	213.6
Kinematic viscosity at 100°C	ASTM D7042	mm ² /s	8.8	11.2	14.8	18.8
Viscosity index	ASTM D2270	-	102	100	100	100
Flash point	ASTM D97 B	°C	256	266	266	276
Pour point	ASTM D92	°C	-22	-18	-18	-15

Characteristics are given for information only and correspond with our manufacturing standards. IGOL reserves the right to modify them to provide its customers with the benefits of technical progress. Before using this product read the instructions for use and the environmental impacts mentioned in the technical and safety data sheets. The information given above is based on the current level of knowledge relative to the product concerned. The product user should take all useful precautions relative to its use. IGOL can in no circumstances be held responsible for damage resulting from incorrect use.

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