

**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

#### 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.

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### PHYSICO-CHEMICAL PROPERTIES

Characteristics	Standards	Units	Values			
Grades	ISO-VG	-	<b>15</b>	<b>22</b>	<b>32</b>	<b>46</b>
Density at 15°C	NF T 60-101	Kg/m3	858	865	872	875
Kinematic viscosity at 40°C	NF T 60-100	mm²/s	15.0	22.0	31.8	46.4
Kinematic viscosity at 100°C	NF T 60-100	mm²/s	3.40	4.30	5.45	6.85
Viscosity index	NF T 60-136	-	101	102	106	102
Flash point	NF T 60-105	°C	184	190	226	228
Pour point	NF T 60-105	°C	-40	-35	-28	-25

Characteristics	Standards	Units	Values			
Grades	ISO-VG	-	<b>68</b>	<b>100</b>	<b>150</b>	<b>220</b>
Density at 15°C	NF T 60-101	Kg/m3	882	887	892	896
Kinematic viscosity at 40°C	NF T 60-100	mm²/s	67.9	98.9	149.6	213.6
Kinematic viscosity at 100°C	NF T 60-100	mm²/s	8.8	11.2	14.8	18.8
Viscosity index	NF T 60-136	-	102	100	100	100
Flash point	NF T 60-105	°C	256	266	266	276
Pour point	NF T 60-105	°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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