

Mineral oils for hydraulic transmissions with good antioxidant, anti-corrosion, anti-foam and anti-wear properties.

PERFORMANCES

Specifications :

NF E 48.603 : ISO-L-HM 15 22 32 46 68 100 150 220
 DIN 51524 Partie 2 : HLP 15 22 32 46 68 100 150 220

ADVANTAGES

SONHYDRO hydraulic oils are formulated with highly refined base oils and additives giving them the anti-wear, anti-oxidant, anticorrosion and anti-foam properties needed for use in hydraulic transmission and control circuits working in moderate temperature and pressure conditions.

Unaffected by shearing, they have a low pour point (freezing) and do not affect hydrocarbon resistant elastomer seals.

USES

All hydraulic controls:

- Public works equipment, cranes, excavators and miscellaneous machines.
- Lifting and handling equipment
- Machine tools, presses, injection and moulding presses, foundry equipment, scrap metal crushers, etc.
- Multi-vane rotary compressors (Ingersol-Rand type GYRO-FLO-MILL'S).

Characteristics	Standards	Units	Values				
			10	15	22	32	46
Grades	ISO-VG	-	10	15	22	32	46
Density at 15 °C	NF T 60-101	Kg/m3	850	854	866	873	878
Kinematic viscosity at 40 °C	NF T 60-100	mm2/s	10.1	15.1	21.5	32.1	46.3
Kinematic viscosity at 100 °C	NF T 60-100	mm2/s	2.7	3.5	4.14	5.48	6.89
Viscosity index	NF T 60-136	-	103	108	104	106	104
Engler viscosity at 50°C	-	°E	-	1.9	2.3	3.1	4.2
Pour point	NF T 60-105	°C	-40	-39	-33	-27	-24
Fire point	NF T 60-118	°C	195	204	222	243	246
Open cup testing (flash point)	NF T 60-118	°C	180	192	204	219	228

Technical data sheet

Characteristics	Methods	Units	Values				
			68	100	150	220	320
Grades	ISO-VG	-	68	100	150	220	320
Density at 15 °C	NF T 60-101	Kg/m3	883	887	893	898	915
Kinematic viscosity at 40 °C	NF T 60-100	mm2/s	68.7	101	151	222	321
Kinematic viscosity at 100 °C	NF T 60-100	mm2/s	8.84	11.3	15	19.1	25.5
Viscosity index	NF T 60-136	-	101	97	98	97	100
Engler viscosity at 50°C	-	°E	5.8	8.2	12	16.9	23.9
Pour point	NF T 60-105	°C	-24	-18	-15	-12	-9
Fire point	NF T 60-118	°C	264	288	297	306	321
Open cup testing (flash point)	NF T 60-118	°C	237	252	264	270	280

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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