

ISO-L-HM hydraulic oils for hydraulic transmission and control circuits.

PERFORMANCES

Specifications:

NF E 48.603 ISO-L-HM VG 22-32-46-68
DIN 51524 Part 2: HLP 22-32-46-68
DENISON HF-0: Denison hybrid pump T6H20C
GENERAL MOTORS (LS2): LH-03/LH-04/LH-06
EATON (VICKERS) M-2950-S and S-286-S
CINCINNATI-MILACRON P-68, P-69 and P-70

ADVANTAGES

SONHYDRO S hydraulic oils are formulated with highly refined base oils and ashless, zinc-free additives which give them anti-wear, anti-oxidant, anti-corrosion and anti-foaming properties required for use in hydraulic transmission and control circuits working under tough temperature and pressure conditions.

In particular, the ashless anti-wear additives effectively protect copper-based alloys against corrosion in tough hydraulic applications, such as high-pressure axial piston pumps.

SONHYDRO S hydraulic oils have very high thermal and chemical stability, completely and rapidly separate from water thanks to their good demulsibility, and their excellent de-aeration prevents pump cavitation and operating interruptions.

SONHYDRO S hydraulic oils have excellent filterability qualities: Denison, Pall, AFNOR; the filter service life is extended and maintenance costs reduced.

They have low freezing points, and no effect on hydrocarbon-resistant elastomer seals.

USES

Hydraulic systems sensitive to deposit formation, servo-valves.

High-pressure hydraulic vane, piston and geared pumps, under moderate to tough service conditions.

Multi-metal hydraulic circuits for which anti-corrosion protection is required.

Technical data sheet

Characteristics	Methods	Units	Values			
			22	32	46	68
Grades	ISO-VG	-	22	32	46	68
Density at 15°C	NF T 60-101	kg/m3	870	872	875	882
Kinematic viscosity at 40°C	NF T 60-100	mm2/s	22.6	31.8	46.4	67.9
Kinematic viscosity at 100°C	NF T 60-100	mm2/s	4.4	5.45	6.9	8.8
Pour point	NF T 60-105	°C	-30	-28	-25	-22
Viscosity index	NF T 60-136	-	105	106	102	102
Flash point	NF T 60-118	°C	220	226	228	256

The characteristics are given purely for information and are consistent with our current production standards. IGOL reserves the right to modify them, in order to pass on technical developments to its customers. Before using this product, you should consult the instructions for use and the environmental impact shown on the technical and safety data sheets. The information given above is based on the current state of our knowledge of the product in question. The product user should take all relevant precautions relating to its use. Under no circumstances may IGOL be held liable for damages resulting from misuse.

Document ref.: VIII-59-AF-1507
Published: 22/07/2015

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