

Zinc-free ISO-L-HV hydraulic oils for hydraulic transmission and control circuits.

PERFORMANCES

Denison HF-0, HF-1, HF-2 (T6H20C pump)
DIN 51524 Part3 HVLP
ISO 11158 L-HV
Vickers (Eaton) M-2950-S Mobile equipment
Vickers (Eaton) I-286-S Industrial equipment
Bosch Rexroth RE 90 220

ADVANTAGES

MATIC S hydraulic oils are formulated with highly refined base oils and zinc-free (ashless) additives which give them anti-wear, anti-oxidant, anti-corrosion and anti-foaming properties required 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.

MATIC S hydraulic oils have very high thermal and chemical stability, rapidly and completely separate from water thanks to their good demulsibility, and their excellent de-aeration prevents pump cavitation and operating interruptions. The high viscosity index and shear stability enables use over a wide range of temperatures, while retaining the effectiveness of the hydraulic controls and component protection.

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.

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Characteristics	Standards	Unit	Values			
Appearance / Colour	-	-	Brown fluid			
Grade ISO VG	-	-	32	46	68	100
Density at 15°C	NFT 60-101	kg/m ³	876	881	886	889
Kinematic viscosity at 40°C	NFT 60-100	mm ² /s	30.8	44.6	69.1	94.5
Viscosity index	NFT 60-136	-	140	141	140	140
Pour point	NFT 60-105	°C	-42	-38	-35	-32

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.

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