HVD 46

HIGH PERFORMANCE
HYDRAULIC FLUID HV CLASS

263655/04.11

Rev. 3

DESCRIPTION & APPLICATIONS

The HVD-range are hydraulic fluids based on stabilized zinc with a very high viscosity index.

HVD is recommended for hydraulic systems that operate under high pressure (> 350 bar) and very large temperature fluctations.

HVD can be used indiscriminately on piston, vane, gear pumps, which allows standardization of products.

ADVANTAGES

- Thermal stability.
- Resitance to oxidation.
- Resitance to hydrolysis through the stabilized zinc.
- Good filtrability even in presence of water.
- Very low pour point.

PERFORMANCES

Satisfies to the following specifications:

DENISON HF0/HF1/HF2
DIN 51524 Teil 3 HVLP
ISO 6743 HV
NFE 48603 HV
VICKERS M2952S

ENVIRONMENT, HEALTH & SAFETY

Please consult also the Safety Data Sheet about how to manipulate and to stock the product as well as to learn about the first aid measurements in case of accident.

Elimination after use must be made in conformity with the local rules in force about used oils disposal.
When needed, Safety Data Sheet can be obtained upon request.

Conservation of the product: 3 year(s) in closed container and sheltered.

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PROPERTIES

CHARACTERISTICS	UNITS	METHODS	TYPICAL DATA
Specific gravity at 15°C	kg/m³	NFT 60101	870
Kinematic viscosity at 40°C	mm²/s (cSt)	NFT 60100	46
Kinematic viscosity at 100°C	mm²/s (cSt)	NFT 60100	8,9
Viscosity index	-	NFT 60136	160
Flash point	°C	NFT 60118	204
Pour point	°C	NFT 60105	-36
TAN (TotalAcid Number)	mg KOH/g	ASTM D 664	0,8
FZG A/8,3/90	-	DIN 51354-2	12

The average values are given for information only.