

HVD 32

Hydraulic oil with high viscosity index

263650/01.16

Rev. 0

DESCRIPTION & APPLICATIONS

HVD 32 is a hydraulic oil of ISO Class HV with increased viscosity index. HVD is ideal for use in hydraulic applications in industry, piston pumps, vane pumps and worm and gear pumps. The increased viscosity index provides a constant viscosity when temperature changes. Lubrication of machines will remain optimal.

HVD 32 is ideal for use in:

- Piston pumps, vane pumps, worm and gear pumps
- Installations subject to large fluctuations in temperature and pressure (> 350 bar)

There are five viscosities available in the HVD family: ISO VG 15, 22, 32, 46, 68.

ADVANTAGES

- Good filtrability even in presence of water
- Resistance to hydrolysis
- A good thermal stability and high oxidation resistance
- Very low pour point, so perfectly suitable for low temperatures

PERFORMANCES

Satisfies to the following specifications:

ISO 6743 HV

DIN 51524 Teil 3 HVLP

DENISON HF0/HF1/HF2

VICKERS M2950S/M2952S

VICKERS I 286S

CINCINNATI P69(ISO68)/P70(ISO46)

US STEEL 127/136

NFE 48603 HV

SS 155434

HVD 32

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.

PROPERTIES

CHARACTERISTICS	UNITS	METHODS	TYPICAL DATA
ISO VG	-	-	32
Specific gravity at 15°C	kg/m ³	NFT 60101	870
Kinematic viscosity at 40°C	mm ² /s (cSt)	NFT 60100	32
Kinematic viscosity at 100°C	mm ² /s (cSt)	NFT 60100	6,8
Viscosity index	-	NFT 60136	160
Flash point	°C	NFT 60118	204
Pour point	°C	NFT 60105	-42
TAN (TotalAcid Number)	mg KOH/g	ASTM D 664	0,8
FZG A/8,3/90	-	DIN 51354-2	11

The average values are given for information only.