

HYDRO HVI

MINERAL HYDRAULIC OILS ISO HV, WITH HIGH VISCOSITY INDEX

220081-220084-220085-220086-220088/04.09

Rev. 0

DESCRIPTION & APPLICATIONS

HYDRO HVI is specially recommended for hydraulic systems operating at high pressure (higher than 350 bars), and for installations in which there are high temperature variations.

HYDRO HVI is essentially intended for applications requiring a high viscosity index fluid for general industrial, handling and civil engineering applications.

HYDRO HVI can also be applied in shock absorbers.

ADVANTAGES

- Thermal stability.
- Oxidation resistancy
- Hydrolysis resistancy due to the stabilised zinc containing additive
- Excellent filtrability
- Low pour point ensures excellent oil fluidity, even under very cold climate conditions.
- High viscosity index
- High shear stability, maintaining the initial viscosity

PERFORMANCES

Satisfies to the following specifications:

ISO 6743 HV

DIN 51524 Teil 3 HVLP

DENISON HF2

VICKERS M2950S

VICKERS I 286S

CINCINNATI P69(ISO68)/P70(ISO46)

US STEEL 127/136

NFE 48603 HV

HYDRO HVI

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				
			15	22	32	46	68
ISO VG	-	-	15	22	32	46	68
Specific gravity at 15°C	kg/m ³	NFT 60101	860	865	870	875	877
Kinematic viscosity at 40°C	mm ² /s (cSt)	NFT 60100	14,9	23,7	33,5	48,4	69
Kinematic viscosity at 100°C	mm ² /s (cSt)	NFT 60100	3,9	5,2	6,6	8,4	11
Viscosity index	-	NFT 60136	152	158	156	150	151
Dynamic viscosity at -15°C	mPa.s	ASTM D2602	<500	550	920	1275	2850
Flash point	°C	NFT 60118	138	152	166	192	224
Pour point	°C	NFT 60105	-36	-36	-36	-36	-33
Aniline Point	°C	NFM 07021	99	103	103	105	105
TAN (TotalAcid Number)	mg KOH/g	ASTM D 664	0,26	0,6	0,6	0,26	0,26
Product number	-	-	220081	220086	220088	220084	220085

The average values are given for information only.