

HV-A

MINERAL HYDRAULIC OILS ISO HV, WITH HIGH VISCOSITY INDEX

220182-220183-220184-220185-220186/12.18

Rev. 3

DESCRIPTION & APPLICATIONS

HV-A are stabilised zinc containing hydraulic oils with high viscosity index.

ADVANTAGES

- 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.

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

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.

HV-A

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	871	881	882
Kinematic viscosity at 40°C	mm ² /s (cSt)	NFT 60100	14,9	22,9	33,0	48,4	68,9
Kinematic viscosity at 100°C	mm ² /s (cSt)	NFT 60100	3,9	5,1	6,4	8,4	11
Viscosity index	-	NFT 60136	140	140	140	140	140
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	-39	-36	-36	-36	-33
TAN (TotalAcid Number)	mg KOH/g	ASTM D 664	0,3	0,3	0,30	0,26	0,26
Product number	-	-	220182	220183	220184	220185	220186

The average values are given for information only.