

HV-A

MINERAL HYDRAULIC OILS ISO HV, WITH HIGH VISCOSITY INDEX

220182-220183-220184-220185-220186/03.24

Rev. 5

DESCRIPTION & APPLICATIONS

HV-A is a hydraulic oil developed for devices and systems where an ISO class HV is prescribed.

The high-quality mineral base oils and additives (including stabilized zinc) guarantee excellent performance under the toughest conditions. The increased viscosity index ensures a constant viscosity with temperature changes. This means that lubrication and protection of machines always remain optimal.

HV-A is ideal for use in:

- Hydraulic applications within industry
- Installations subject to large temperature fluctuations
- Rolling material

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

HV-A

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
Density at 15 °C	kg/l	ASTM D4052	0,860	0,865	0,871	0,881	0,882
Kinematic viscosity at 40°C	mm ² /s.	ASTM D445	14,9	22,9	33,0	48,4	68,9
Kinematic viscosity at 100°C	mm ² /s.	ASTM D445	3,9	5,1	6,4	8,4	11
Viscosity index	-	ASTM D2270	130	130	130	130	130
Dynamic viscosity at -15°C	mPa.s	ASTM D2602	<500	550	920	1275	2850
Flash point (COC)	°C	ASTM D 92	138	152	166	192	224
Pour point	°C	ASTM D97	-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.