

NISOTEC HIDROL HV

NISOTEC HIDROL HV is range of high viscosity index (VI) hydraulic oils. They are based on the latest stabilised zinc additive technology and contain a shear stable additive system which helps maintain the viscosity characteristics over a wide temperature range, even during prolonged use. It also imparts a very low pour point, enabling the product to be used in very cold environments. Applications include outdoor equipment subjected to high and low temperatures such as off-highway and marine applications. This range is also suitable for indoor manufacturing equipment that incorporates control systems requiring minimal viscosity change with temperature – for example, precision machine tools. NISOTEC HIDROL HV oils are available in ISO grades VG 10 to VG 100. Features and Benefits:

- Good anti-wear performance – prevents wear of internal components and reduces downtime
- High viscosity index – allows improved system operation over a wide temperature range
- Good water separation – reduces downtime and prolongs lubricant life

Performance Levels: SRPS ISO 6743-4 (L-HV), SRPS ISO 11158 (L-HV), DENISON HF-0/HF-2, SPERY VICKERS M-2950-S/I-286-S, DIN 51524-3 (HVLP), AFNOR NF E 48-603

Characteristics

Properties	Units	Typical Values								Methods
		VG 10	VG 15	VG 22	VG 32	VG 46	VG 68	VG 100	VG 150	
Density at 15 °C	g/cm ³	0.85	0.85	0.86	0.87	0.87	0.88	0.88	0.89	SRPS EN ISO 3675
Kinematic Viscosity	mm ² /s	10	15	22	32	46	68	100	150	SRPS ISO 3104
Index Viscosity, min	-	140	140	140	140	140	140	140	140	SRPS ISO 2909
Flash Point, COC	°C	140	150	180	200	210	215	220	230	SRPS EN ISO 2592
Pour Point	°C	-39	-39	-39	-36	-36	-30	-21	-18	SRPS ISO 3016
Water Demulsibility (max. 40/37/3)	minut	20 (54 °C)	20 (54 °C)	20 (54 °C)	30 (54 °C)	30 (54 °C)	30 (54 °C)	30 (82 °C)	30 (82 °C)	ASTM D 1401
Copper corossion (Cu, 3h, 100°C)	mark	1	1	1	1	1	1	1	1	SRPS ISO 2160
Foaming, max	mL/mL	25/0	25/0	25/0	25/0	25/0	25/0	25/0	25/0	SRPS ISO 6247
- Seq. I										
- Seq. II										
- Seq. III										

Storage and handling instructions

Store in the original container, in good ventilated area. Protect from direct atmospheric influences. Follow storing and handling instructions given in SDS.

Packaging

0.1L	0.25L	0.5L	1L	4L	10L	60L	180KG	850KG	IBC	AC
					X2		X			