

NISOTEC HIDROL HM

NISOTEC HIDROL HM are range of hydraulic oils based on highly refined mineral oil enhanced with a stabilized zinc additive system. NISOTEC HIDROL HM oils are designed for use in most industrial hydraulic systems which require anti-wear protection and has excellent hydrolytic and oxidative stability while exhibiting a minimal tendency to produce sludge and deposits. In addition, product provides corrosion protection to ferrous and yellow metal components found within a hydraulic system. It is also suitable for other duties in which oils of high oxidation stability and lubrication performance are required, such as lightly loaded gears, variable speed units and bearings. NISOTEC HIDROL HM oils are available in ISO grades VG 15 to VG 150. Features and Benefits:

- Good anti-wear performance – prevents wear of internal components and reduces downtime
- High resistance to oxidation – extends service life
- Good water separation – decreases downtime and prolongs lubricant life

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

Characteristics

Properties	Units	Typical Values								Methods
		VG 10	VG 15	VG 22	VG 32	VG 46	VG 68	VG100	VG150	
Density at 15°C	g/cm ³	0.85	0.85	0.86	0.87	0.87	0.87	0.88	0.89	SRPS ISO EN 3675
Kinematic Viscosity	mm ² /s	10	15	22	32	46	68	100	150	EN ISO 3675
Index Viscosity	-	95	95	95	95	95	95	90	90	ISO 3104
Flash Point, COC	°C	130	150	180	200	210	215	230	235	ISO 2909
Pour Point	°C	-30	-27	-21	-18	-18	-15	-12	-12	EN ISO 2592
Water Demulsibility (max. 40/37/3), max.	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)	ISO 3016
Copper corossion (Cu, 3h, 100°C)	mark	1	1	1	1	1	1	1	1	ASTM D 1401
Foaming, max - Seq. I - Seq. II - Seq. III	mL/mL	25/0 25/0 25/0	25/0 25/0 25/0	25/0 25/0 25/0	25/0 25/0 25/0	25/0 25/0 25/0	25/0 25/0 25/0	25/0 25/0 25/0	25/0 25/0 25/0	ASTM D3427

Storage and handling instructions

Store in the original container in dry, properly ventilated area. Keep away from direct flame and other sources of ignition. Protect from direct sunlight.

Packaging

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