

HYDROL SPECIAL

Quality class: ISO 6743/4 – HM
Viscosity grad: ISO VG: 32, 46, 68

GENERAL FEATURES:

Hydrol® Special is a high-quality hydraulic oil with improved resistance to oxidation. With its unique formula, it prevents the formation of acids and sludge as a result of oxidation. It ensures longer intervals between oil changes, shorter down-times and lower hydraulic system overhaul and maintenance costs. The oil contains innovative, optimally matched enhancement additives to protect the oil system against corrosion. Hydrol® Special Oil shows exceptional protective properties to protect friction points in hydraulic pump systems against wear. Owing to elevated viscosity parameters as well as excellent low-temperature performance, it can be used in a broad range of temperatures to facilitate start-ups in low ambient temperatures.

APPLICATION:

Hydrol® Special Hydraulic Oil is intended for lubricating hydraulic force transfer, drive and control systems in adjustment and control mechanisms, hydraulic transmissions and similar devices. The product has been designed to operate in stationary and mobile industrial machinery, vehicles, construction machines and mining equipment. Hydrol® Special Oil is suitable for use in systems for which the following class is recommended by the manufacturer: ISO L-HM or DIN HLP Its elevated viscosity index allows it to operate in a variable range of temperatures. With its unique properties, it can be used in hydraulic machines for ceramic tile production.

STANDARDS, APPROVALS. SPECIFICATION:

DIN 51524 Part 2,
ISO 11158



Physical and chemical properties:

PARAMETERS	UNIT	TYPICAL VALUES
Kinematic viscosity at 40°C HYDROL SPECIAL 32 HYDROL SPECIAL 46 HYDROL SPECIAL 68	mm ² /s	32,8 44,8 67,3
Viscosity index (32, 46, 68)	-	115
Flow point HYDROL SPECIAL 32 HYDROL SPECIAL 46 HYDROL SPECIAL 68	°C	-39 -33 -30
Resistance to foaming (32, 46, 68): · 1st sequence · 2nd sequence · 3rd sequence	ml	20/0 30/0 20/0
Corrosive action on copper plates for 24h at 100°C (32, 46, 68)	references	1
Demulsification at 54°C HYDROL SPECIAL 32 HYDROL SPECIAL 46 HYDROL SPECIAL 68	min	15 25 30
Air separation at 50°C HYDROL SPECIAL 32 HYDROL SPECIAL 46 HYDROL SPECIAL 68	min	1,5 5,2 9,1

NOTE:
Physicochemical parameters listed in the table are typical values. Real values are stated in quality control certificates attached to each product lot.

