

MANNOL Hydro HV ISO 22 VI 150

2210

Mannol Hydro HV ISO 22 VI 150 is a synthetic all-season hydraulic oil with an increased viscosity index (at least 145) and improved low-temperature properties, designed for hydraulic equipment of mobile machines operating at ultra-high environment temperatures and low ambient temperatures. Designed to meet the requirements of industrial hydraulic systems operating under ultra-high loads, pressures, temperatures and/or speeds, and especially under extremely variable temperatures.

Features:
- Contains anti-wear, anti-oxidation, anti-corrosion and anti-foam additives and a viscosity modifier;
- Due to its excellent low-temperature properties, it is able to ensure the start of the hydraulic system in cold climatic conditions (including the Far North). Minimize wear of equipment in the winter;
- It has a stable viscosity over the widest possible operating temperature range, in which it ensures the operability of hydraulic equipment with maximum performance for a long period of time. Ensures the unification of inventory;
- It has excellent anti-wear properties that minimize the wear of the mated parts of hydraulic pumps, hydraulic valves and hydraulic cylinders, which ensures their long service life and reduces the cost of spare parts;
- Modern detergent-dispersing additives ensure perfect cleanliness of hydraulic system parts, which also protects precision pairs from wear, prolongs the life of the equipment and increases its efficiency;
- The highest thermal-oxidative and thermal stability, resistance to mechanical and chemical influences, including oxidation, - reduce the formation of all types of deposits and aggressive substances, which increases the reliability of the system components (valves, hydraulic valves, etc.), while it is characterized by excellent filterability;
- Due to its excellent anti-corrosion properties, it protects the surfaces of all used metals and alloys from the aggressive effects of acids, oxidation products and water, which significantly reduces maintenance and repair costs;
- It has excellent demulsifying properties, low pour point, good fluidity at low temperatures and a long service life;
- Resistance to foaming and aeration increases the performance of hydraulic pumps;
- Neutral to all sealing materials and paint coatings compatible with mineral oils. Prevents leaks, which reduces procurement costs.

It is recommended to use as the working fluid of industrial hydraulic systems:
- Mobile equipment (construction, road, mining, logging, various municipal and special equipment, etc.), working in conditions of highly variable operating temperatures and at low ambient temperatures;
- Stationary equipment (presses, elevators, injection molding machines, robots, machine tools, molding machines, etc.) operating at very low temperatures;
- Hydro-management and hydro-regulation;

- The following types: DENISON, EATON VICKERS, GEROTOR, GRESEN, HPM, HYDRECO, WORTHINGTON, etc.
- Where there are gearboxes, gears, pneumatic units;
- Where the piston, gear, vane, axial-piston pumps are installed in accordance with the manufacturer's requirements;
- Where the use of an oil conforming to DIN 51524 Part 3 (HVLP) or ISO 11158 (HV) standards is required.

For their correct use, carefully read the operating instructions of the equipment!

Recommendation
TYPE Industrial Hydraulic Oil
SAE MS 1004
ISO Viscosity Grade 22
Viscosity Index 150
DIN 51524-2
DIN 51524-3
ISO 11158
ASTM USA D6158
ANSI AGMA 9005-E02-RO
AIST 126
AIST 127
JCMAS P041 HK Hydraulic specification
GERMAN STEEL INDUSTRY SEB 181222
BOSCH REXROTH RE 90220
EATON M-2950-S
EATON I-286-S3
GM LS2
MAG CINCINNATI P-68
MAG CINCINNATI P-69
MAG CINCINNATI P-70
PARKER DENISON HF-0
PARKER DENISON HF-1
PARKER DENISON HF-2
SPERRY VICKERS M-2950-S
SPERRY VICKERS I-286-S3

PACKAGING

	MN2210-60		
	MN2210-IBC		
	MN2210-DR		
	MN2210-20		
	MN2210-10		