MATRAX HYDRO HLP

Description

Lubricant for hydraulic systems formulated from carefully refined paraffinic bases.

Aplication

It includes a strict selection of additives that provide high thermal stability while maintaining the product's viscosity over a wide range of temperatures, as well as high resistance to oxidation.
It incorporates anti-wear additives responsible for increasing the load carrying capacity of the oil film under boundary lubrication and reducing the heat generated from the friction between moving surfaces. These fluids are especially recommended for universal use hydraulic systems and are formulated to meet the requirements of high precision and high-speed hydraulic equipment.
It provides a low pour point, allowing the product to be used in very cold environments.
It is compatible with most sealing materials made of nitrile, silicone, and fluorinated compounds (e.g. Viton).
They are especially recommended for hydraulic systems in universal use equipment operating in outdoor conditions and within a wide range of temperatures, such as equipment subjected to cold start conditions and continuous operation at high temperatures. Equally suitable for off-road and marine applications. Regarding indoor equipment, these are equally suitable for meeting the requirements of high-pressure hydrostatic systems equipped with gear, vane, or piston pumps, various circulation systems for lubricating industrial bearings and gears that require low viscosities.
Universal use hydraulic systems where a high-performance fluid is required. It is recommended for meeting the requirements of high-pressure hydrostatic systems equipped with gear, vane, or piston pumps, various circulation systems for lubricating industrial bearings and gears that require low viscosities.

Technical characteristics

High demulsibility capability: water separation additives prevent a reduction in oil viscosity and ensure protection against oxidation of metal components in hydraulic systems.
High anti-wear performance: development of a protective film, preventing the risk of seizure by reducing friction
Corrosion resistance: additives that reduce chemical attacks on metal surfaces by organic acids resulting from exposure to contaminants that oxidise the oil, providing extended periods of use
High resistance against foaming: effective air release without excessive foaming to facilitate the transfer of hydraulic power

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Technical information

Parameter	32	46	68	100	150
Kinematic viscosity @40ºC (cSt) ASTM D 445	32	46	68	100	150
Kinematic viscosity @100ºC (cSt) ASTM D 445	5,4	6,8	8,8	11,4	15,1
Viscosity index ASTM D 2270	100	100	100	100	100
Density a 15ºC (g/cm3) ASTM D 1298	0,863	0,868	0,874	0,879	0,885
Flash point (ºC) ASTM D 92	200	210	230	230	250
Freezing point (ºC) ASTM D 97	-30	-30	-23	-20	-16

Approvals and Recommendations

DIN 51524 Part 2 · ISO 11158 HM · Parker Denison HF-0 (Test Bomba Híbrida T6H20C) · Fives Cincinnati P-68, P-69 y P-70 · Eaton Brochure 03-401-2010

All packaging must be stored in covered facilities. In cases where outdoor storage is unavoidable, the drums should be placed horizontally to prevent the possible infiltration of water, as well as their deformation. Products should not be stored above 60°C, exposed to direct sunlight or low temperatures. We advise you to read the safety data sheet carefully for more information on its use and handling.

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