Technical Data Sheet

HYDRAULIC

Lubricant for hydraulic applications

Hydraulic fluids with good anti-wear, anti-rust, anti-oxidant and anti-foam properties; are particularly suitable for use in industrial hydraulic systems and in hydraulic lifting systems for trucks, earthmoving machinery, agricultural machinery.

Applications & Benefits

- **Advanced Protection**

Great anti-wear protection against those metal-like phenomena, making it usable in a wide range of operating conditions. It also contains additives that perform anti-corrosive and anti-rust function.

- **Thermal-oxidative resistance**

Good thermal-oxidation resistance that prevents and prevents the formation of burrs, which results in an extension of the lubricant charge replacement time, which means a reduction in maintenance costs.

- **Demulsivity**

Demulsive capacity such as to avoid the formation of stable oil mixtures with the water that may be accidentally present in the hydraulic circuits.

- **Foaming**

Easy release of absorbed air and limited foaming, thus avoiding the inappropriate operation of the power transmission device.

Specifications & Approvals

- **Exceeds the specifications listed below:**

DIN 51524 - part II (Classe HLP)
DENISON HF2

Remember to always check the usage and maintenance manual for the correct choice.
HYDRAULIC fluids are compatible with all mineral based lubricants, however, hydraulic fluids should never be mixed with others (biodegradable, flame retardant, etc.).

*For further information please contact the Technical Service.

Chemical-Physical Characteristics

Test	Method	Hydraulic						
ISO Grade	-	***15***	***22***	***32***	***46***	***68***	***100***	***150***
Density @ 15°C, kg/dm^3	ASTM D 4052	0.850	0.850	0.855	0.855	0.865	0.870	0.875
Viscosity cSt @ 40°C cSt @ 100°C	ASTM D 445	 15.0 3.5	 22.0 4.5	 32.0 5.5	 46.0 6.5	 68.0 9.5	 100.0 11.5	 150.0 15.0
Viscosity Index - Unit	ASTM D 2270	110	110	110	105	105	100	100
Copper corrosion - 3h @ 100°C	ASTM D 130	1B	1B	1B	1B	1B	1B	1B
Rust-preventing	ASTM D 665A	Exceeds	Exceeds	Exceeds	Exceeds	Exceeds	Exceeds	Exceeds
Pour point, °C	ASTM D 97	-27	-27	-27	-27	-27	-24	-21
Flash point, °C	ASTM D 93	220	220	225	225	230	230	230
FZG / exceeded stage	DIN 51354	-	-	10	10	10	10	10

NOTE: The above values are "typical" for normal production tolerance and do NOT constitute a specification.

Storage, Health & Environment

- Storage & Health

It is recommended to store the HYDRAULIC lubricant under cover. If storage is carried out outdoors, it is recommended to position the drums, preferably under a roof, in a horizontal position and, if kept upright, cover them with a lid to prevent water infiltration. It is advisable not to store the packs at temperatures above 60°C or directly to the sun as it is good to keep them in places not subject to freezing.
HYDRAULIC has no health effects when properly used, applying the standard personal hygiene standards.

- Environment

Do not discharge the new and/or exhausted lubricant into the sewage system, soil or watercourses. Exhausted lubricant must be delivered to an authorized collection point.

Additional information

- Safety Data Sheet

It is provided aside and must be considered for its information or can be easily downloaded from www.rilub.it
Contact your technical service for more information:

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