SPINTA HYDRAULIC HD 15 / 22 / 32 / 46 / 68 / 100 / 150

Product Code: SP-IN-HD-15 / SP-IN-HD-22 / SP-IN-HD-32 / SP-IN-HD-46 / SP-IN-HD-68 / SP-IN-HD-100 / SP-IN-HD-150

High-Performance Hydraulic Lubricant

PRODUCT DESCRIPTION

SPINTA HYDRAULIC HD is a high-performance hydraulic lubricant for advanced industrial and mobile hydraulic applications. It offers strong resistance to thermal and mechanical degradation, anti-wear protection, deposit control, demulsibility and foam control, supporting reliable hydraulic-system efficiency in demanding service.

APPLICATIONS & BENEFITS

Extended Service Performance Enhanced thermal and chemical stability helps reduce sludge and support longer lubricant life.
Advanced Wear Protection Additive technology protects metallic parts under both light and heavy loads.
Water Separation Demulsibility helps prevent stable oil-water mixtures in hydraulic circuits.

KEY PERFORMANCE BENEFITS

Deposit Control Resistance to degradation helps minimize sludge and preserve system cleanliness.
Foam Control Air-release and anti-foam characteristics support proper hydraulic power transmission.
Wide Application Range Suitable for industrial, production, mobile and marine hydraulic systems requiring ISO HM/HLP fluids.

SPECIFICATIONS & PERFORMANCE LEVELS

Meets or exceeds the following specifications and performance levels; application statements as indicated:

- ISO-L-HM; ISO 6743-4
- DIN 51524 Part 2 HLP
- Cincinnati Lamb P68 / P69 / P70
- Eaton-Vickers M-2950-S
- U.S. Steel 127
- Denison HF1 / HF2 / HF0
- AFNOR NFE 48-690 / 691
- GM LH-03 / LH-04 / LH-06
- MIL-PRF-17672 E/D Amd 3

Recommendation: Select the ISO viscosity grade specified by the hydraulic-system manufacturer and verify the required ISO HM/HLP performance level before use.

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS

Property	Test Method	15	22	32	46	68	100	150
ISO Grade	-	15	22	32	46	68	100	150
Density @ 15°C, kg/dm³	ASTM D 4052	0.850	0.850	0.855	0.855	0.865	0.870	0.875
Kinematic Viscosity @ 40°C, cSt	ASTM D 445	15.0	22.0	32.0	46.0	68.0	100.0	150.0
Kinematic Viscosity @ 100°C, cSt	ASTM D 445	3.5	4.5	5.5	6.5	9.5	11.5	15.0
Viscosity Index	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	-30	-30	-30	-30	-30	-27	-24
Flash Point, °C	ASTM D 92	220	220	225	225	230	230	230
Demulsivity 40/40/0, min	ASTM D 1401	5	5	5	5	5	5	5
Foaming Trend / Stability	ASTM D 892	0/0	0/0	0/0	0/0	0/0	0/0	0/0
FZG / Exceeded Stage	DIN 51354	-	-	12	12	12	12	12

Note: The values shown above are typical for normal production and may vary within normal manufacturing tolerances. They do not constitute a product specification or contractual limit.

STORAGE, HEALTH & ENVIRONMENT

STORAGE

Store under cover whenever possible. If outdoor storage cannot be avoided, containers should be protected from rain and water infiltration. Avoid temperatures above 60°C, direct sunlight and freezing conditions.

HEALTH & SAFETY

When properly used and handled in accordance with standard personal hygiene practices, the product is not expected to present adverse health effects under normal conditions of use. Refer to the corresponding SPINTA Safety Data Sheet (SDS) for detailed precautions and first-aid information.

ENVIRONMENT

Do not discharge new or used product into drains, sewage systems, soil or watercourses. Used product must be collected and delivered to an authorized collection or disposal facility in accordance with applicable regulations.

ADDITIONAL INFORMATION

Safety Data Sheet (SDS): The corresponding SPINTA Safety Data Sheet is available separately and should be consulted before handling or using the product.
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