SPINTA HYDRAULIC H.V.I. 32 / 46 / 68 / 100 / 150

Product Code: SP-IN-HVI-32 / SP-IN-HVI-46 / SP-IN-HVI-68 / SP-IN-HVI-100 / SP-IN-HVI-150

Hydraulic Lubricant for Systems Subject to Temperature Variations

PRODUCT DESCRIPTION

SPINTA HYDRAULIC H.V.I. is a high-viscosity-index hydraulic lubricant for industrial and mobile systems exposed to significant environmental and operating-temperature variations. It provides anti-wear protection, oxidation resistance, deposit control, water separation and stable hydraulic response over a broad temperature range.

APPLICATIONS & BENEFITS

High Viscosity Index Maintains more stable viscosity as temperature changes, supporting consistent hydraulic response.
Advanced Protection Helps reduce wear, corrosion and deposit formation in pumps and hydraulic components.
Demulsibility Good water separation helps protect the hydraulic circuit and lubricant life.

KEY PERFORMANCE BENEFITS

Thermal Stability Resists thermal and chemical degradation under varying operating conditions.
Foam Control Easy air release and low foaming support reliable power transmission.
Application Versatility Suitable for industrial, mobile, marine and precision hydraulic systems requiring ISO HV/HVLP fluids.

SPECIFICATIONS & PERFORMANCE LEVELS

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

- ISO-L-HV; ISO 6743-4
- DIN 51524 Part 3 HVLP
- 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
- ASTM D6158-05 HV

Recommendation: Select the ISO viscosity grade required by the equipment manufacturer and confirm the specified ISO HV/HVLP performance level before use.

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS

Property	Test Method	32	46	68	100	150
ISO Grade	-	32	46	68	100	150
Density @ 15°C, kg/dm³	ASTM D 4052	0.855	0.855	0.865	0.870	0.875
Kinematic Viscosity @ 40°C, cSt	ASTM D 445	32.0	46.0	68.0	100.0	150.0
Kinematic Viscosity @ 100°C, cSt	ASTM D 445	6.0	8.0	10.0	14.0	19.0
Viscosity Index	ASTM D 2270	140	140	140	140	140
Copper Corrosion, 3h @ 100°C	ASTM D 130	1A	1A	1A	1A	1A
Rust Preventing	ASTM D 665A	Exceeds	Exceeds	Exceeds	Exceeds	Exceeds
Pour Point, °C	ASTM D 97	-36	-36	-33	-33	-30
Flash Point, °C	ASTM D 92	225	225	230	230	230
Demulsivity 40/40/0, min	ASTM D 1401	5	5	5	5	5
Foaming Trend / Stability	ASTM D 892	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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