HYDROL SYN HVLP

PRODUCT DESCRIPTION:
HYDROL SYN HVLP is a premium synthetic hydraulic oil engineered for exceptional performance across a broad temperature range. Its advanced formulation offers outstanding high-temperature stability, shear stability, and oxidation resistance, ensuring long-lasting performance. With a high viscosity index and low pour point, it is suitable for use in extreme conditions. HYDROL SYN HVLP delivers excellent wear protection, thermal stability, and rust and corrosion resistance, effectively safeguarding hydraulic system components. Designed for extended drain intervals, it provides up to three times the equipment protection compared to conventional hydraulic oils.

APPLICATION:
- Hydraulic systems such as Numerically Controlled (NC) machines
- Systems employing multi-metal component designs
- High pressure vane, piston and gear pumps
- Systems where cold start-up and / or very high operating temperatures are typical
- In systems containing gears and bearings
- Systems requiring a high degree of loaDcarrying capability and anti-wear protection

FEATURES & BENEFITS:
- Helps extend service intervals
- Helps prevent internal hydraulic system corrosion
- Helps reduce wear of components
- Helps to ensure equipment protection at cold start-up temperatures
- Helps protect system components at high operating temperatures
- Helps reduce system deposits and potential sludging
- Excellent air release

PERFORMANCE LEVELS: Meets or Exceeds:
- DIN 51524 Part 3, Type HVLP
- Denison HF-0, HF-1, HF-2

TYPICAL PROPERTIES:

PARAMETERS	TEST METHOD	UNIT	HYDROL SYN HVLP			
ISO VG			32	46	68	100
Kinematic Viscosity @ 104°F /40°C	ASTM D7042	cSt	32	46	68	100
Kinematic Viscosity @ 212°F /100°C	ASTM D7042	cSt	6.55	8.33	11.24	15.3
Viscosity Index	ASTM D2270	-	148	157	158	161
Density@15°C/ 60°F	ASTM D4052	g/cm^3	TBR	TBR	TBR	TBR
Flash Point (min)	ASTM D92	°C	236	251	260	260
Pour Point (max)	ASTM D97	°C	-51	-57	-54	-54
Copper Strip Corrosion 3 hours @ 100° C	ASTM D130	-	1B	1B	1B	1B
Rust Characteristics	ASTM D665B	-	Pass	Pass	Pass	Pass
Foam Sequence I, II, III	ASTM - D892	ml	0/0	0/0	0/0	0/0
Demulsibility, 54°C, 3ml emulsion	ASTM - D1401	minutes	15	15	15	-

DISCLAIMER: The test data presented above is indicative and not a strict specification, as it may vary within acceptable production tolerances. Internol reserves the right to update or modify this test data. For the most accurate and current information, please refer to the latest version of this Technical Data Sheet (TDS).

HEALTH & SAFETY, ENVIRONMENT:
Continuous or repeated exposure to oil may lead to skin problems. Avoid contact with the oil. In case of contact, wash thoroughly with soap and water. Do not dispose of used oil in drains or the environment. Dispose of it at an authorized used oil collection point. For additional safety information, please refer to the MSDS available on our website at www.internol.net.

PROTECT THE ENVIRONMENT:
Take used oil to an authorized collection point. Comply with local regulation. Do not discharge into drains, soil or water.