



HYDROL SYN HVLP

PRODUCT DESCRIPTION:

HYDROL SYN HVLP hydraulic oils are synthetic hydraulic oils with excellent high temperature performance, high degree of shear stability and oxidation resistance. These oils are formulated to have a high viscosity index and a low pour point for use over a wider temperature range. They provide excellent wear protection and thermal stability at high temperatures to minimize deposit formation and provide long service life. They protect hydraulic system components against rust and corrosion. HYDROL SYN HVLP oils are formulated for very long drain interval and provide equipment protection up to three times longer than comparable conventional products.

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 load carrying 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	TORQUE SYN HVLP			
			32	46	68	100
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 provided above is for reference purposes and is not a strict specification, as variations within acceptable production tolerances may occur. Phoenix reserves the right to update or revise this test data. For the most accurate and up-to-date information, please consult the latest version of this Technical Data Sheet (TDS).

HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further Information on Safety Guidelines please refer to MSDS available on our website Phoenixlubricants.com