



AXENT SYN HVLP

PRODUCT DESCRIPTION:

AXENT SYN HVLP hydraulic oils are high-performance synthetic hydraulic fluids designed for exceptional high-temperature stability, shear resistance, and oxidation control. With a high viscosity index and low pour point, they ensure reliable operation across a wide temperature range. These oils provide outstanding wear protection, thermal stability to minimize deposit formation, and extended service life. They also safeguard hydraulic system components against rust and corrosion. Engineered for very long drain intervals, AXENT SYN HVLP oils offer 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 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	AXENT 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 for reference only and not a specification. It may vary within acceptable production tolerances. Alpha reserves the right to update this data, with the latest version of the Technical Data Sheet (TDS) taking precedence over previous versions.

HEALTH & SAFETY, ENVIRONMENT:

Extended and repeated exposure to oil may lead to skin issues. Avoid contact. If contact occurs, wash immediately with soap and water. Do not dispose of used oil in drains or the environment. Instead, take it to an authorized oil collection facility. For more safety information, please refer to the MSDS available on our website: www.alphaoil.ae

HEALTH & SAFETY:

When used correctly in the recommended application and with proper personal hygiene, this product is unlikely to pose significant health or safety risks. For detailed safety information, refer to the Safety Data Sheet (SDS), available upon request from your local sales office or online. www.alphaoil.ae

PROTECT THE ENVIRONMENT:

Dispose of used oil at an authorized collection point. Follow local regulations and avoid releasing it into drains, soil, or water.

STORAGE:

We recommend storing all packages under cover. If outdoor storage is necessary, drums should be placed horizontally to prevent water ingress and protect drum markings. Products should not be stored above 60°C or exposed to direct sunlight or freezing conditions.