

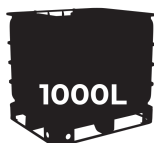
## HYDRATEC SYN-HC 46

**Product Code:** HYD035 | **Revision:** 20260505



High-performance synthetic PAO based hydraulic fluid with ashless anti-wear technology.

### Available Pack Sizes



### Applications

Formulated from high-performance synthetic PAO base oils and advanced ashless additive technology, this hydraulic fluid delivers reliable anti-wear protection, excellent thermal stability and outstanding low temperature performance. Designed for high-pressure hydraulic systems, including vane, piston and gear pumps, it maintains stable viscosity across a wide operating temperature range, ensuring rapid cold-start response and consistent high temperature operation. The wax-free nature of PAO base oils provides excellent low temperature fluidity and pumpability, reducing flow restriction and improving efficiency in cold conditions. It promotes clean system operation by minimising deposit formation, while offering excellent filterability, long component life and strong oxidation resistance to support extended service intervals in demanding environments. Suitable for industrial and mobile hydraulic systems where wide temperature capability, cleanliness and durability are critical.

### Recommended by Aztec Oils as suitable for the following applications

Cincinnati P55, P70  
DIN 51517 Part II  
DIN 51524 Part III (HVLP)  
ISO 6743-4 Type HV  
Parker-Denison HF-0, HF-1, HF-2

### Benefits

- Advanced synthetic PAO base oils for excellent thermal stability & long service life.
- Ashless anti-wear technology for clean system operation & good filterability.
- High viscosity index for stable performance across a wide operating temperature range.
- Outstanding low temperature fluidity & pumpability due to inherently wax-free base oils.
- Reliable anti-wear protection for pumps & hydraulic components.
- Strong oxidation resistance to minimise deposit formation & support extended service intervals.
- Supports rapid cold start response & consistent high temperature operation.

### Typical Test Data

Appearance		Straw/light amber liquid
Copper Corrosion	ASTM D130	1B
Density @ 15°C (kg/m <sup>3</sup> )	ASTM D4052	0.827
Flash Point (°C)	ASTM D92	>200
Kinematic Viscosity @ 40°C (mm <sup>2</sup> /s)	ASTM D445	46
Kinematic Viscosity @ 100°C (mm <sup>2</sup> /s)	ASTM D445	8.4
Pour Point (°C)	ASTM D97	<-45

In line with our policy of continued improvement, Aztec Oils reserve the right to change specifications and availability without prior notice. This product, used according to our recommendations and for its designed application, does not represent any particular risk. The information present in this technical data sheet is indicative of the product and is given in good faith, but should not form part of any specification.

Viscosity Index

ASTM D2207

160

The typical test data provided is taken from average values, there will be some variability in production and therefore do not constitute a specification.

## Health, Safety & Recommendations

- A Safety Data Sheet is available for consultation at [www.aztecoils.co.uk](http://www.aztecoils.co.uk).
- Packaging should not be left exposed to elements and drums should be laid horizontally to prevent contamination.
- This product should not be stored at temperatures over 60°C, kept out of direct sunlight, protected from frost and fluctuations in temperature.
- When disposing of the product after use, please protect the environment and comply with local regulations.

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