

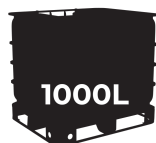
HYDRATEC BIOSYN-ES 22

Product Code: HYD022 | **Revision:** 20260422



Synthetic ester based, ashless anti-wear biodegradable hydraulic fluid.

Available Pack Sizes



Applications

A fully synthetic, biodegradable hydraulic oil formulated from high-performance ester base stocks and advanced ashless anti-wear technology, designed for use in environmentally sensitive areas such as agricultural land, forest floors, construction sites and locations near watercourses or reservoirs. This fluid offers excellent protection against wear and corrosion, helps extend equipment life and significantly reduces the risk of environmental harm from leaks or spills. Its advanced formulation resists gumming and high-temperature oxidation while maintaining excellent low-temperature fluidity, making it a reliable and effective alternative to conventional based hydraulic oils.

Recommended by Aztec Oils as suitable for the following applications

DIN 51524 Part II & III
ISO 6743-4 HEES
ISO 15380 HEES

Benefits

- Compatible with mineral oils.
- Excellent low temperature performance, ensuring reliable fluidity & start-up protection under cold operating conditions.
- Formulated with ashless anti-wear technology, helping to reduce deposit formation & maintain system cleanliness.
- High viscosity index, maintaining stable viscosity across a wide temperature range for consistent performance.
- Low toxicity & readily biodegradable, supporting reduced environmental impact.
- Superior oxidation & thermal stability, helping to resist degradation, minimise deposit formation & promote extended service intervals.

Typical Test Data

Appearance		Straw/light amber liquid
Biodegradability	OECD 301	>70%
Density @ 15°C (kg/m ³)	ASTM D4052	0.92
Flash Point (°C)	ASTM D92	>210
Kinematic Viscosity @ 40°C (mm ² /s)	ASTM D445	22
Kinematic Viscosity @ 100°C (mm ² /s)	ASTM D445	5
Pour Point (°C)	ASTM D97	<-40
Viscosity Index	ASTM D2207	160
Recommended Operating Temperature Range		-20°C to +80°C

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

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.

Health, Safety & Recommendations

- A Safety Data Sheet is available for consultation at 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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