



HYDRO ESTER SAT46

100% synthetic hydraulic fluid,
saturated ester based.

USES

Saturated synthetic ester based (HEES-S) high-quality hydraulic fluid. Recommended for use in hydraulic systems with extended oil change intervals when the use of a biodegradable oil is required or to preserve the environment.

Uses: water (lock controls, etc.), construction (extraction, construction, earthmoving equipment), mountain (ski lifts, etc.), forestry and agriculture.

Specifications:

ISO 6743/4 HV 46; AFNOR NF E 48-602 HV 46

MAIN PHYSICAL DATA

		Methods	Units	SAT46
Density at	20°C	ASTM D4052	kg/m ³	927
Kinematic viscosity at	40°C	ASTM D445	mm ² /s	46
Kinematic viscosity at	100°C	ASTM D445	mm ² /s	8
Pour point		ASTM D2270		146
Pour point		ASTM D97	°C	-30
Cleveland Open Cup Flash Point		ASTM D92	°C	<230
Biodegradability (OECD 301B)			%	>75

The data given in this table represents typical production values and should not be taken as specifications.

PROPERTIES & ADVANTAGES

- ▶ Based on saturated synthetic esters for better performance and a longer service life (more stable than vegetable-based or unsaturated ester based fluids), while meeting the criteria required for environmentally friendly products.
- ▶ High level of biodegradability and use of non-ecotoxic components. Tested for non-ecotoxicity towards algae, daphnia, and fish (OECD Standards 201, 202, and 203).
- ▶ Excellent compatibility with elastomers (NBR, FPM, AC 6, AU).
- ▶ Very good anti-resistance and filtration properties.
- ▶ Compatible with most saturated ester based and unsaturated ester based mineral, vegetable and synthetic hydraulic fluids.

PRECAUTIONS FOR USE

Storage: We recommend you store this product indoors to prevent it being contaminated with water.

Use: Make sure the equipment is compatible with HEES type hydraulic fluids (type of seals, type of materials, filtration parts, paint, etc.). When in service, drain water from the system on a regular basis.

Drain: The fluid drain interval depends on the type of equipment and on what the fluid is used for. Test and analyse the fluid regularly over its service life and follow the manufacturer's recommendations.

