



PANOLIN
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Part of the PANOLIN concepts



PANOLIN HLP SYNTH E 100

Hydraulic fluid – readily biodegradable, saturated synthetic esters

Environmentally Considerate Lubricant (ECL)/Environmentally Acceptable Lubricant (EAL)

Features and benefits

- Fully synthetic, high-performance, readily biodegradable, zinc-free and environmentally friendly hydraulic fluid, based on renewable saturated synthetic esters with special additive technology
- Minimally toxic
- CO₂ reduction due to extended oil-change and service intervals
- Prevents gumming and deposits of ageing products even under high thermal load
- Excellent cold flow characteristics (extremely low pour point)
- Eco-technically fully mixable and compatible with PANOLIN HLP SYNTH

Applications (follow manufacturer's instructions)

- For stationary and mobile hydraulic systems: e.g. earthmoving and forestry hydraulic systems, the machine industry, construction and hydroelectric engineering
- Bearing lubrication and oil circulation systems
- Marine hydraulic systems: e.g. underwater pumps, electric motors, Z Drives, deck equipment

Environmental compatibility

It is decomposed by micro-organisms in water and/or soil almost without any residues.

- Biodegradability acc. to OECD 301 B: > 60%
- EN 16807
- EU Ecolabel – DE/027/289
- US EPA VIDA (Vessel Incidental Discharge Act), VGP 2013 (Vessel General Permit)

Specifications

ASTM D 8029

FZG Test A/8.3/90 load stage > 12

FZG Test A/10/16.6/140 load stage 12



Technical data (mean values, subject to normal tolerances)

PANOLIN HLP SYNTH E	Product No.	Density g/cm ³ 15 °C	Viscosity in mm ² /s 40 °C 100 °C	Flashpoint COC in °C	Pour point in °C	Viscosity index	Iodine No.
100	35650	0.919	100.9 14.6	252	- 30	150	< 7

Instructions

Please refer to the drum label, or for detailed information, to the safety data sheet – available from PANOLIN.
Before changing over to PANOLIN EALs/ECLs, please ask for our instructions.