



PANOLIN
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Part of the PANOLIN concepts



PANOLIN HLP SYNTH ECO

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 saturated synthetic esters with special additive technology
- Minimally toxic (according to OECD 201/202/203)
- CO₂ reduction due to extended oil-change and service intervals
- Far greater reserve capacities than conventional hydraulic oils
- Outstanding high-pressure characteristics
- Excellent cold flow characteristics (extremely low pour point)
- Prevents gumming and deposits of ageing products, even at high temperatures
- Oxidation-resistant at high temperatures
- Do not mix with other readily biodegradable hydraulic fluids – please refer to our «PANOLIN Conversion and Operating Guidelines» regarding mineral oils, synthetic fluids and PANOLIN ECLs/EALs

Applications (follow manufacturer's instructions)

- For earthmoving and forestry hydraulic systems, the machine industry, construction and hydroelectric engineering
- Compressors, bearing lubrication and oil circulation systems
- Marine hydraulic systems, e.g. CPP, stabilisers, steering and 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%
- Water hazard classifications acc. to AwSV: WGK 1

Specifications

FZG A/8.3/90: 11
ISO 15380/HEES



Technical data (mean values, subject to normal tolerances)

PANOLIN HLP SYNTH ECO	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.
15	34910	0.919	14.3 3.6	224	-54	139	< 10
22	34912	0.917	20.3 4.7	224	-54	156	< 10
32	34914	0.911	33.9 6.6	253	-60	153	< 10
46	34916	0.910	43.7 8.0	247	-54	159	< 10

Instructions

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