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Part of the PANOLIN concepts



# PANOLIN SPRINT

**Hydraulic fluid – readily biodegradable, synthetic esters**

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

## Features and benefits

- Fully synthetic, environmentally friendly and readily biodegradable hydraulic fluid
- Based on proven PANOLIN technology
- Ester blend with modified, saturated and unsaturated esters
- Minimally toxic (according to OECD 201/202/203)
- CO<sub>2</sub> reduction due to extended oil-change and service intervals
- Outstanding anti-wear and anti-corrosion properties
- Prevents deposits in the hydraulic system
- Excellent cold flow characteristics
- Outstanding extreme-pressure characteristics
- 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)

- In earthmoving and forestry hydraulic systems
- Various machines for industrial manufacturing
- For construction and hydroelectric engineering
- 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%
- EN 16807
- EU Ecolabel DE/027/289
- Japan Eco Label
- US EPA VIDA (Vessel Incidental Discharge Act), VGP 2013 (Vessel General Permit)
- Water hazard classifications acc. to AwSV: WGK 1

## Specifications

ASTM D8029  
FZG A/8.3/90: 11  
ISO 15380/HEES  
Vickers V104 C

## Approval (valid manufacturer approval for the specific lubricant)

Coup'eco (34546)



## Technical data (mean values, subject to normal tolerances)

PANOLIN SPRINT	Product No.	Density g/cm <sup>3</sup> 15 °C	Viscosity in mm <sup>2</sup> /s		Flashpoint COC in °C	Pour point in °C	Viscosity index
			40 °C	100 °C			
32	34544	0.919	34.6	7.4	253	- 42	188
46	34546	0.920	45.9	9.1	274	- 36	185
68	34548	0.929	67.0	11.8	264	- 39	174

## 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.