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Part of the PANOLIN concept  
GREENMACHINE®

## PANOLIN BIOFLUID SBH-N 10W-30

**UTTO lubricant – readily biodegradable, saturated synthetic esters**

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

### Features and benefits

- Fully synthetic and readily biodegradable Universal Tractor Transmission Oil (UTTO), based on saturated synthetic esters for construction, agriculture, forestry and railway trackbuilding machinery
- Minimally toxic
- CO<sub>2</sub> reduction due to extended oil-change and service intervals
- Excellent cold flow characteristics (extremely low pour point)
- Greater power reserves than mineral oil based hydraulic fluids
- Excellent oxidation resistance at high temperatures
- With viscosity characteristics and additives that prevent hydrodynamic brake rattling
- Fully compatible with predecessor product: PANOLIN BIOFLUID SBH 10W-30

### Applications (follow manufacturer's instructions)

- In hydraulic systems, powershift gearboxes, differentials and axles with hydrodynamic brakes
- For hydraulically operated winches with lammellar brakes or free-fall brakes
- In machinery with central oil supply to gearboxes, axle drives and hydraulic systems
- Ideal for specialized excavation 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



### Performance level (meets requirements for product approval, but has no specific manufacturer approval)

Case I.H. MS 1204, MS 1205, MS 1206, MS 1207, MS 1209, B6

Fendt

Ford M2C 134-D, M2C 41-B, M2C 48-C2, M2C 53-A, M2C 86-B, M2C 86-C

Gürdesan

John Deere JDM J20 C

Massey Ferguson M 1110, M 1127, M 1129A, M 1135, M 1141, M 1143, M 1145

New Holland 410 B, CNH MAT 3525, 3526

Same

ZF TE ML 03H, ML 06G, ML 07E

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

Sennebogen 012016

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

PANOLIN BIOFLUID SBH-N	Product No.	Density g/cm <sup>3</sup> 15 °C	Viscosity in mm <sup>2</sup> /s 40 °C 100 °C	Flashpoint COC in °C	Pour point in °C	Viscosity index
SAE 10W-30	26815	0.923	60.6 10.3	220	- 55	160

### 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, please ask for our instructions.