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Part of the PANOLIN concept

GREEN**MACHINE**®

PANOLIN BIOFLUID ZFH

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 combined use with gearboxes, hydraulic systems and hydrodynamic brakes
- Minimally toxic
- CO_o reduction due to extended oil-change and service intervals
- Developed in close collaboration with ZF Friedrichschafen: In Friedrichshafen extensive tests were carried out on various facilities, among other purposes to meet the high demands of ZF on both static and dynamic friction characteristics
- Reduces and in many cases eliminates deposits on friction discs/clutches
- Outstanding thermal-ageing stability
- Excellent cold flow characteristics (extremely low pour point)
- Outstanding anti-wear and anti-corrosion properties

Applications (follow manufacturer's instructions)

 Powershift gearboxes, differentials, hydraulic systems and hydrodynamic brakes in excavators, forestry, agricultural and rail maintenance machinery

Environmental compatibility

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

- Biodegradablity acc. to OECD 301 B: > 60%
- Water hazard classifications acc. to AwSV: WGK 1

Specification

FZG Test A/8.3/90 load stage 11

Approvals (valid manufacturer approval for the specific lubricant)

Gürdesan Stiebel Getriebe ZF TE ML 03H ZF TE ML 06G ZF TE ML 07E

