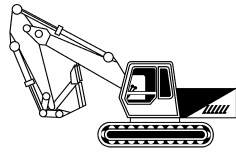


# BIOTRANS FX



**Very high quality biodegradable lubricant for transmissions equipped with wet disk brakes for agricultural machinery and Public Works equipment**

## APPLICATIONS

**Transmissions  
Gears**

**Hydraulic systems**

**All seasons**

- Used in transmissions equipped with oil bath disk brakes.
- Also designed for all gears (reduction units, angle drives, etc.) requiring an Extreme Pressure API GL-4 level lubricant.
- Used in all high or low pressure hydraulic systems equipped with high performance filters on the suction or delivery sides.
- Used in all seasons thanks to its high Viscosity Index:
  - very fluid when cold, provides easy starting of the components and immediately efficient filtration.
  - viscous when hot, maintains an optimum and danger-free lubrication.

**BIOTRANS FX** is formulated from modified renewable base oils and meets the main environmental labels in force.

## PERFORMANCES

**GIMA CMS M 1145**

**Meets the  
manufacturers'  
requirements**

- Transmission application: API GL-4
- Hydraulic application: AFNOR HV 68 "Multigrade"
- ISO 15380: HEES
- First Bio-lubricant approved by the manufacturer GIMA according to the last CMS M 1145 for all transmissions installed in old and new following tractors :
  - CLAAS, RENAULT...
  - MASSEY-FERGUSON
- Also suitable for the following tractor transmissions : JOHN DEERE, CASE, FORD, FENDT, MAC-CORMICK, VALTRA, etc
- Adapted to transmissions of most Construction Equipment machines too.

## CUSTOMER BENEFITS

**Performance**

**Economy**

**Environment friendly**

- Smooth clutching and braking operations without chocks nor excessive slippage responsible of disc coating damages like other non approved oils
- Advantageously replaces transmission and hydraulic fluids by extending the specified oil change intervals.
- Perfectly compatible with the seals of the components lubricated.
- Specially recommended in case of possible contamination of cultivated land, water, forests and sensitive environments which must be preserved.

## SPECIFICATIONS

### BIOTRANS FX

	Units	
Viscosity at 40°C	mm <sup>2</sup> /s	72.7
Viscosity at 100°C	mm <sup>2</sup> /s	11.3
Viscosity index		148
Biodegradability CEC L 33-A-93 after 21 d.	%	84
Toxicity OECD 201 and 202		Non toxic
Pour point	°C	- 33

The values of the specifications shown in this table are typical values given as an indication only.

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**BIOTRANS FX**  
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This lubricant used in accordance with our recommendations and for the application for which it is intended does not represent a special hazard. A safety data file conforming to the requirements of current EC legislation is available from your local trade consultant.