

# Biotrans LS FE 75W-90

## Biodegradable Transmission Oil

### KEY DATA



Very high performance synthetic, renewable, biodegradable transmission fluid dedicated to final reductions and axles equipped with limited slip differential.

### INTERNATIONAL STANDARDS

- 🔥 API GL-5 LS

### SUITABLE FOR

- 🔥 LIEBHERR
- 🔥 VOLVO CE
- 🔥 TEREX
- 🔥 CASE NEW HOLLAND
- 🔥 JCB
- 🔥 CLAAS - RENAULT
- 🔥 STEYR
- 🔥 DEUTZ
- 🔥 SAME
- 🔥 VALTRA...

## APPLICATIONS

Biotrans LS FE 75W-90 has been developed for the lubrication of axles equipped with limited slip differential systems of Public-Works or Agricultural machinery.

This lubricant is also perfectly adapted to self-locking differential systems of passenger cars and also in any classical hypoid axles, non-equipped with self-locking differential systems.

Generally, Biotrans LS FE 75W-90 can be used in all loaded gears (reduction or translation), requesting the use of a reinforced Extreme-Pressure API GL-5 lubricant.

This lubricant is formulated with renewable synthetic base oils, conforming to the environmental criteria of the main current labels.

## PERFORMANCES & CUSTOMER BENEFITS

- 💧 Biotrans LS FE 75W-90 has a high biodegradability level which makes it perfectly adapted to sensitive areas (farmland, quarries, rivers, forests...) to avoid any sustained pollution risks due to oil leakages.
- 💧 Thanks to its Extreme-Pressure chemistry, this lubricant provides maximum protection to very loaded gears submitted to shocks and also assures smooth clutch action without shudder or excessive slippage of self-locking friction discs.
- 💧 Biotrans LS FE 75W-90 also shows good compatibility with lubricated components seals.
- 💧 Its rheological and friction characteristics based on FUEL ECONOMY technology generate a reduction of the mechanical energy losses in the lubricated organ and then a fuel consumption reduction.

## CHARACTERISTICS\*

TEST	UNITÉ	MÉTHODE D'ESSAI	RÉSULTAT
Kinematic Viscosity at 40°C	mm²/s	ASTM D445	87
Kinematic Viscosity at 100°C	mm²/s	ASTM D445	13.8
Viscosity Index	-	ASTM D2270	164
Pour Point	°C	ASTM D97	-48
Flash Point	°C	ASTM D92	220
Biodegradability - primary	%	CEC L33-A-93	>80
Biodegradability - ultimate	%	OECD 301B	69

\*The characteristics given above are obtained with standard tolerance, the information provided here is for information only and may not be considered as a specification.

## RECOMMENDATIONS FOR USE

Before using the product, the vehicle's maintenance guide should be checked. Oil changes should be carried out in accordance with the manufacturer's recommendations.

The product should not be stored at temperatures over 60°C. It should be kept away from sunlight, intense cold and extreme temperature fluctuations. If possible, the packaging should not be exposed to the elements. Otherwise, the drums should be laid horizontally in order to avoid any contamination from water and to prevent the product's label from rubbing off.

## HEALTH, SAFETY AND THE ENVIRONMENT

Based on the toxicological information available, this product should not cause any adverse health effects, provided it is used for its intended purpose and in accordance with the recommendations laid out in the Safety Data Sheet (SDS).

This can be obtained on request from your local reseller and is available for consultation at <https://ms-sds.totalenergies.com>.

This product should not be used for any purposes other than the ones for which it is intended.

