



BIOTRANS LS FE 75W-90



Very high performance **synthetic, renewable, biodegradable lubricant**, dedicated to final reductions and **disc limited slip differential axles**.

SPECIFICATIONS AND APPROVALS

International specifications

API GL-5 LS

Suitable for transmissions

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

APPLICATIONS

TOTAL BIOTRANS LS FE 75W-90 has been developed for lubrication of axles **equipped with disc 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.

More generally, TOTAL BIOTRANS LS FE 75W-90 is 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 modified base oils**, conforming to the environmental criteria of main current labels.

PERFORMANCES AND CUSTOMER BENEFITS

TOTAL BIOTRANS LS FE 75W-90 has a **high biodegradability level** which makes it perfectly adapted to **sensitive areas** (cultivated land, quarries, rivers, forests...) to avoid any sustainable pollution risks due to oil leakages.

Thanks to its Extreme-Pressure chemistry, this lubricant provides a **maximum protection of very loaded gears** working with shocks and also assures **smooth clutching** without shocks nor excessive slippage of **self-locking friction discs**.

TOTAL BIOTRANS LS FE 75W-90 also shows a **good compatibility with lubricated organ 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**.

PHYSICAL AND CHEMICAL CHARACTERISTICS*

TOTAL BIOTRANS LS FE 75W-90

	Method	Value
Kinematic Viscosity at 40°C	mm ² /s	ASTM D445 87
Kinematic Viscosity at 100°C	mm ² /s	ASTM D445 13.8
Viscosity Index	-	ASTM D2270 164
Pour Point	°C	ASTM D97 -48
Biodegradability	%	CEC L33-A-93 >80

* The features mentioned above are average values obtained with some variability in production and do not constitute a specification.

TOTAL LUBRIFIANTS

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www.lubricants.total.com



This lubricant does not cause adverse health effects when used in the intended application.
A safety datasheet is accessible on request from your local dealer or on the website www.quickfds.com