

HIGH TECHNOLOGY LUBRICANTS FOR IVECO VEHICLES



TOTAL

TOTAL's innovation

Since 1990, the European Union has set up EURO standards which stipulate the maximum limits which should not be exceeded for polluting emissions by heavy goods vehicles of over 3.5 T. The EURO 4 standard has been compulsory since October 2006 and EURO 5 will come into effect as from October 2009.

AIM:

To meet the increasingly stringent requirements of the new **EURO** standards by **reducing exhaust gases**

THE IVECO CHOICE in terms of

SCR (Selective Catalytic Reduction) emission control technology

A system in the exhaust that converts nitrous oxides (NOx), thanks to the addition of AdBlue®, into nitrogen and water vapour.

Recommended lubricants

The "Standard IVECO 18 -1804" technical specification recommends the following lubricants:

- XW-30 grade (to reduce fuel consumption).
- ACEA E4 for extreme oil-change intervals, ACEA E7 for standard oil-change intervals.

TOTAL's RESPONSES

AdBlue®

(an aqueous solution of synthetic urea)

- Available in the AS 24 and TOTAL network of service stations.
- From Total Lubricants in bulk, IBC (1000L), 208-litre drums, 10-litre cans.

Fuel Economy (FE) lubricants

Hot viscosity grade type:
XW-30 : (5W-30, 10W-30, 15W-30).

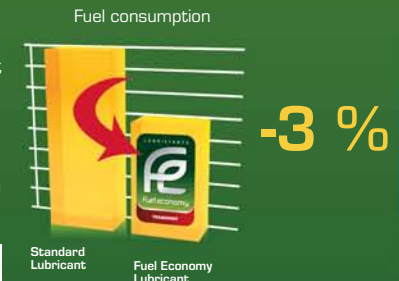
Composed of selected base oils containing special additives (friction modifiers) used to reduce friction, which is responsible for energy losses.



The advantages of TOTAL Fuel Economy (FE) technology:

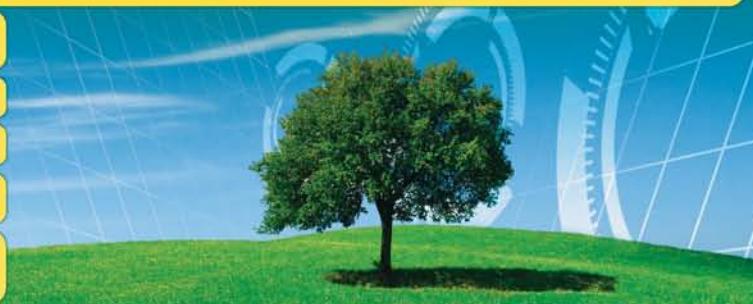
- **Fuel economy:** on average 1 litre per per 100 km or 3 %* certified by independent organizations such as MILLBROOK, UTAC and TÜV - in august 2009 on product (1).
- **A reduction in CO₂ emissions** into the atmosphere of 3 tonnes per year per truck (based on an economy of 1 litre per 100 km, on a truck covering 120 000 km a year and whose average fuel consumption is 33 litres per 100 km). N.B. 1 litre of fuel = 2.7 kg of CO₂.

(*) if combined use of FE engine and transmission lubricants



TOTAL lubricants proposed for IVECO vehicles

		Specific features	Specifications	Oil-change interval	Cold starting	Oxidation resistance (lubricants for engines) Anti-wear protection (lubricants for transmissions & specialties)	Composition	Applications		
LUBRICANTS FOR ENGINES	Fuel Economy range Gas and Diesel		RUBIA TIR 9200 FE 5W-30	▶	ACEA E4	***	***	****	100 % synthetic	<ul style="list-style-type: none"> Particularly recommended for lubrication of the latest generation of Diesel engines developed by the European constructors. Meets the requirements of the most demanding applications.
			RUBIA TIR 8600 FE 10W-30	▶	ACEA E4	***	**	***	100 % synthetic technology	<ul style="list-style-type: none"> New generation lubricant for all types of heavy goods vehicle Diesel engines, whether turbocharged or not. Facilitates cold starting at low temperature.
			RUBIA TIR 7900 FE 10W-30 NEW	▶	ACEA E9/ E7	**	**	***	Semi-synthetic	<ul style="list-style-type: none"> Designed to meet the requirements of engines equipped with after treatment systems. Answers the very severe technical constraints of the new Low-Sulfur Low-Emission Diesel engines (recommended for Euro 5 engines and adapted for engines of previous generations)
			RUBIA TIR 7200 FE 15W-30	▶	ACEA E7	**	*	**	Mineral	<ul style="list-style-type: none"> Suitable for all heavy goods vehicle Diesel engines, whether turbocharged or not. Contributes to compliance with the anti-pollution standards imposed on EURO 2, EURO 3 and EURO 4 engines.
			QUARTZ FUTURE 9000 5W-30	▶	ACEA B5	***	***	****	100 % synthetic technology	<ul style="list-style-type: none"> Specific for LUV DAILY HPT engines fitted with variable nozzle turbochargers, i.e. 2.3-litre F1A 136 bhp and 3-litre F1C 176 CV.
			RUBIA CITY & ROAD 10W-40 NEW	▶	ACEA E6/E7	**	**	***	100 % synthetic technology	<ul style="list-style-type: none"> Particularly recommended for IVECO NGV (Natural Gas Vehicles) engines Particularly suitable for buses with gas engines ACEA E6 & TBN ≥ 12 mg KOH/g
LUBRICANTS FOR TRANSMISSIONS	Manual Automatic		TRANSMISSION XS FE 75W-80 NEW	▶	API GL-4 ZF TE-ML 02 L	***	***	****	Semi-synthetic	<ul style="list-style-type: none"> Specifically developed for heavy duty ZF gearboxes fitted with an integrated retarder (ZF Intarder), where the thermal constraints are the most severe. Particularly suitable for extended drain intervals (up to 300 000km), on manual gearboxes of IVECO commercial vehicles
			TRANSMISSION TI 75W-80	▶	API GL-4 ZF-TE ML 02D	***	***	****	Semi-synthetic	<ul style="list-style-type: none"> Approved for ZF gearboxes with or without intarder.
			TRANSMISSION SYN FE 75W-90	▶	API MT-1 GL-4, GL-5 SAE 2360	***	***	****	100 % synthetic	<ul style="list-style-type: none"> Hypoid axles. May also be used on synchromesh gearboxes without intarder.
			TRANSMISSION RS 85W-140		API GL-5	**	*	***	Mineral	<ul style="list-style-type: none"> High protection for axles and differentials.
			RUBIA S40		API GL-3 non EP	**	*	***	Mineral	<ul style="list-style-type: none"> Gearboxes with standard oil-change interval.
			FLUIDE XLD FE NEW	▶	ALLISON C4, ZF TE ML-04D, 14B Meets Allison TES 295, ZF 14C, 02F, 11B, Dexron® III-H	***	***	****	Semi-synthetic	<ul style="list-style-type: none"> Particularly recommended for maximal drain intervals on Voith, ZF and Allison automatic gearboxes of heavy duty vehicles and buses transmissions
SPECIALTIES	Clutch brakes		HBF 4		ISO 4925 SAE J1704 DOT 4	2 years	**	N/A		
			LHM Plus			**	***	**		
	Cab		AEROHYDRAULIC 520			***	***	***		
	Power steering		FLUIDE G3		Dexron® IIG ALLISON C4	***	**	****		
	Cooling system		COOLELF AUTO SUPRA -37°C		ASTM D 3306, D 4656, D 4985 AFNOR NFR 15-601 BS 6580	2 years	Anti-freeze protection down to -37°C	Excellent protection against corrosion and pitting		



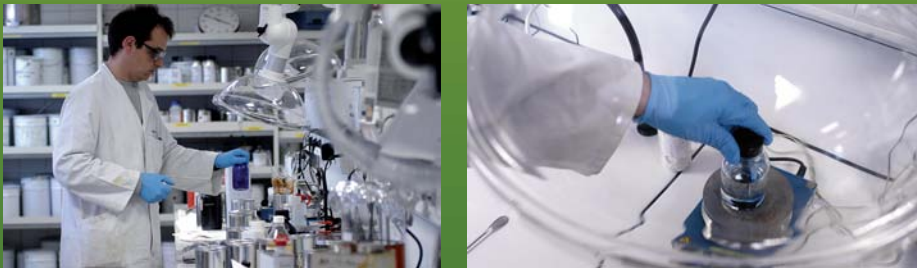
TOTAL expertise

Your requirements:

- To recommend lubricants tailored to your customers' expectations.
- To maintain a competitive advantage.
- To retain your customers and increase your additional sales.
- To train and motivate your workshop and sales teams to promote lubricants.

Our responses:

Product innovations: a **RESEARCH CENTRE** devoted to developing the latest generation lubricants.



Local sales and technical teams, listening to your everyday needs:

- **RECOMMENDATION** of the products best-suited to your requirements.
- Provision of **MADE-TO-MEASURE TOOLS** to promote your sales, train and motivate your teams.

Innovative services:

- **ANAC:** a preventive maintenance tool for your fleet thanks to expert and personalised diagnostics of your engines, using samples of the oils in service.
www.anac-diagnosis.com
- **LUBCONSULT:** on-line management of constructor's recommendations and your lubrication schedules.
www.lubconsult.total.com
- **VISI STOCK:** stock control system (automated level sensing and re-supply).
- **PARCK:** decision-making support software to optimise management of your fleet.

www.lubricants.total.com



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