

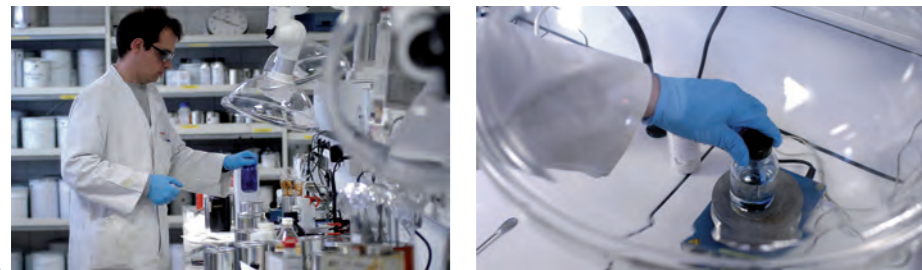
# TOTAL expertise

## 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.



### Innovative services:

- **ANAC:** a preventative maintenance tool for your fleet. Providing expert and personalised diagnostics of your engines and drive trains, using samples of the oils in operation. [www.anac-diagnosis.com](http://www.anac-diagnosis.com)
- **LUBCONSULT:** on-line management of constructor's recommendations and your lubrication schedules. [www.lubconsult.total.com](http://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.

### 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.

### Efficient logistics thanks to our call centre:

If you would like to discover how we can find the best lubricant solution for you, please call **01977636301** or visit [www.lubricants.total.com](http://www.lubricants.total.com)

[www.lubricants.total.com](http://www.lubricants.total.com)



You know where to turn **TOTAL**

# HIGH TECHNOLOGY LUBRICANTS FOR VOLVO 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 latest Euro norms by reduction of polluting emissions.

### VOLVO's CHOICES in terms of

#### SCR (Selective Catalyst Reduction)

System which enables conversion (through injection of Ad-Blue® within the exhaust system) of polluting emissions such as nitrous oxides (NOx) into non polluting products (nitrogen and water vapour).

#### Specifications

Volvo developed its own specifications VDS, VDS-2, VDS-3, VDS-4.

### THE TOTAL OFFER

#### AdBlue® (an aqueous solution of synthetic urea)

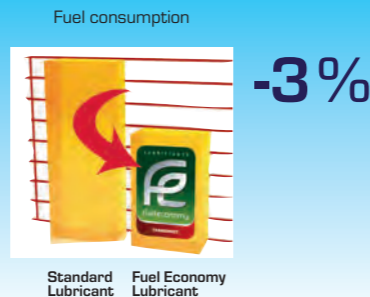
- Available in the AS 24 and TOTAL network of service stations.
- From Total Lubricants in bulk, IBC (1000L), 208-litre drums, 10-litre cans.

#### Lubricants

A range of products suiting the requirements of Volvo specifications.

### The added-value of TOTAL's 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 products (1) and (2).
- **A reduction in CO<sub>2</sub> 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 CO<sub>2</sub>.



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



# TOTAL lubricants proposed for VOLVO vehicles

	PRODUCTS	Specific features	Specifications	Oil change interval	Cold starting	Oxidation resistance	Composition	Applications
ENGINE OILS	<b>NEW</b> RUBIA TIR 7900 FE 10W-30	Low SAPS, Fuel Economy	ACEA E9/E7 • API CJ-4 VDS-4	***	***	**	Semi synthetic	• Latest generation lubricant which is both FE and Low SAPS which is suited for all the engines equipped with or without Particulates Filters [extended drain intervals].
	<b>NEW</b> RUBIA TIR 9900 FE 5W-30	Low SAPS, Fuel Economy	E6 /E7/E4-99 Issue 3 VDS-3	***	***	***	100% synthetic	• Latest generation lubricant which is both Fuel Economy (FE) and Low SAPS. • Suitable for all engines [Euro 5 and previous].
	RUBIA TIR 8900 FE 10W-30 (1)	TÜVRheinland Precisely Right	ACEA E6/E7 • API CI-4 VDS-3	***	***	***	Synthetic based technology	• Latest generation lubricant which is both Fuel Economy (FE) and Low SAPS. • Suitable for all engines [Euro 5 and previous] equipped or not with a Particulates Filter.
	RUBIA TIR 9200 FE 5W-30	Fuel Economy	ACEA E4/E5/E7 • API CF VDS-3	***	***	***	100% synthetic	• 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	Fuel Economy	ACEA E4 • VDS-3	***	***	***	Synthetic based technology	• New generation lubricant for all types of heavy duty Diesel engines, whether turbocharged or not. • Facilitates cold starting at low temperature.
	RUBIA TIR 7200 FE 15W30	Fuel Economy	ACEA E5/E7 • API CI-4 VDS-3	***	**	**	Mineral	• Suitable for Euro 4 engines and previous whether turbocharged or not.
	RUBIA TIR 8900 10W-40	Low SAPS	ACEA E6/E7 • API CI-4 VDS-3	***	***	***	Synthetic based technology	• For DPF engines
	RUBIA TIR 8600 10W-40	Low SAPS	ACEA E4/E5/E7 • API CF VDS-3	***	***	***	Synthetic based technology	• Suitable for all EURO 4 engines, Euro 3 and previous engines.
	RUBIA TIR 7400 15W-40	Low SAPS	ACEA E5/E7 • API CI-4/SL VDS-3	***	**	**	Mineral	• Complies with Euro 4 engines and previous technologies.
TRANSMISSION OILS	<b>NEW</b> (2) Transmission XS FE 75W-80	TÜVRheinland Precisely Right	ZF TE-ML 01 E/ 02E/16P	***	***	***	Synthetic based technology	• Fulfills the requirements for Volvo manual gearboxes for extended drain intervals (up to 400 000 km) manual gearboxes of VOLVO vehicles • Approved for extended drain intervals on ZF and EATON gearboxes • Meets the requirements of specifications VOLVO 97307 (pending approval for 400 000 km drain interval).
	Transmission XSV FE 75W-80	Fuel Economy	VOLVO 97307 EATON Europe	***	***	**	Synthetic based technology	• Developed specifically for extended drain intervals for Volvo manual and automatized transmissions • Approved for EATON gearboxes.
	RUBIA S 40	Fuel Economy	ACEA E2 • API CF	**	*	**	Mineral	• Suitable for all types of gearboxes for standard oil-change intervals.
	Fluide XLD FE	Fuel Economy	VOLVO 97341 • Allison C4 Dexron® III H level TES 295/389	***	***	***	Synthetic based technology	• Top of the range fluid for Allison, ZF and Voith automatic gearboxes guaranteeing very extended oil drain intervals.
	Fluide G3	Fuel Economy	VOLVO 97341 (pending) Dexron® III G • Allison C4	***	**	**	Semi synthetic	• Suitable for all automatic gearboxes applications (MB, ZF, Voith, Allison) in commercial vehicles and buses as well as couplers and hydraulic converters.
	Transmission BM 75W-90	Fuel Economy	API GL-5 • VOLVO 97312	***	***	***	Synthetic	• Suitable for hypoid differentials and heavy duty gear trains.
	Transmission Syn FE 75W-90	Fuel Economy	API GL-4/5 • API MT-1 SAE J2360	***	**	***	Synthetic	• Recommended for axles and reduction gears.
AXLES	Transmission RS FE 80W-140	Fuel Economy	API GL-5 • API MT-1	***	**	**	Semi synthetic	• High performance multigrade oil designed for the lubrication of severely loaded hypoid axles and final reduction.
	Transmission TM 85W-140	Fuel Economy	API GL-5	**	*	**	Mineral	• Lubricant suitable for axles as well as gearboxes and transfer boxes • Specially recommended for highly loaded hypoid gears.
	RUBIA S 40	Power take-off	ACEA E2	Mineral				
	<b>NEW</b> Fluide XLD FE	Power steering	VOLVO 97341 • Allison C4 Dexron® III H	Synthetic based technology				
Fluide G3	Power steering	VOLVO 97341 Dexron® III G • Allison C4	Synthetic based technology					
SPECIALITIES PRODUCTS	Cabin lifting	AEROHYDRAULIC 520	MIL-H-5606					
	Clutch	HBF 4	ISO 4925, SAEJ 1704, DOT 4				Synthetic	