

# TOTAL RUBIA TIR PROTECTS

DAF



**TOTAL RUBIA TIR LUBRICANT  
RECOMMENDATIONS FOR DAF TRUCKS**



# YOUR **DAF** FLEET IS THE LIFEBLOOD OF YOUR BUSINESS. GO FURTHER EVERY DAY WITH **TOTAL RUBIA TIR.**

TOTAL RUBIA TIR contributes to your business in 3 ways:

## 1. TOP QUALITY ENGINE OILS

TOTAL RUBIA TIR meets the **PERFORMANCE LEVELS SPECIFIED BY DAF** and has many other constructors' approvals, ACEA and API specifications to support your mixed branded fleet.



• TOTAL RUBIA TIR has **TOTAL FUEL ECONOMY (FE) TECHNOLOGY** to reduce your operating cost. Savings of up to **3%** or 1L per 100km\* has been certified for EURO 4 engines by independent organisations (MILLBROOK, TUV, VCA).



• TOTAL RUBIA TIR has **LOW SAPS TECHNOLOGY** to protect your engine's Diesel Particulate Filter (DPF).

• TOTAL RUBIA TIR with **T.I.R TECHNOLOGY** brings out the most out of your diesel engine vehicle fleet. T.I.R Technology is specially developed at our dedicated lubricants research and development centre in Solaize, France.

## 2. INNOVATIVE FLEET MANAGEMENT SERVICES

Adapted to your business needs, giving you the peace of mind.



• **ANAC:** a preventive maintenance and troubleshooting tool giving expert and personalised diagnostics of your engines using samples of the oils in service.



• **LUBCONSULT:** online fleet management tool for lubricant recommendation and oil change intervals.



## 3. LOCAL NETWORK OF SALES AND TECHNICAL SUPPORT

Listening to your everyday needs as your best partner for managing your fleet.

- Close proximity ensures quicker response and closer understanding of your needs.
- Recommendation of products best suited to your requirements.
- Provision of locally adapted tools to help dealers and distributors promote their sales.

\*With the combined use of TOTAL Fuel Economy lubricants for engines, gearboxes and axles.

ACEA SPECIFICATIONS	LEVEL OF PERFORMANCE MAX ★★★	LUBRICANT CHARACTERISTICS
E6	★★★	<ul style="list-style-type: none"> <li>• DAF extended oil drain intervals.</li> <li>• Low SAPS characteristics.</li> <li>• Particularly adapted to post-treatment systems of DPF (Diesel Particulate Filter).</li> </ul>
E9	★★	<ul style="list-style-type: none"> <li>• Low SAPS characteristics.</li> <li>• Standard oil drain intervals.</li> <li>• Reliable performance in anti-wear properties and engine protection.</li> </ul>
E4	★★	<ul style="list-style-type: none"> <li>• Extended oil drain intervals.</li> <li>• Composition: 100% synthetic or semi synthetic.</li> <li>• Strong thermal and oxidation resistance.</li> <li>• Guarantee of cleanliness for pistons.</li> </ul>
E7	★	<ul style="list-style-type: none"> <li>• Reliable performance in anti-wear properties and engine protection.</li> </ul>







LOW SAPS

LOW SAPS



RUBIA TIR ENGINE OIL DEDICATED TO DAF TRUCKS	RUBIA TIR 9900 FE 5W-30	RUBIA TIR 9200 FE 5W-30	RUBIA TIR 8900 FE 10W-30	RUBIA TIR 7900 FE 10W-30	RUBIA TIR 8900 10W-40	RUBIA TIR 8600 10W-40	RUBIA TIR 7400 15W-40
E6	✓		✓		✓		
E9	✓			✓			
E4	✓	✓	✓		✓	✓	
E7	✓	✓	✓	✓	✓	✓	✓
Fuel Economy	✓	✓	✓	✓	✓		
Low SAPS	✓		✓	✓	✓		



COMPONENT OF DAF TRUCK	RECOMMENDED LUBRICANTS & SPECIALTIES	SPECIFICATIONS	APPLICATIONS
 <b>MANUAL GEARBOX</b>	TRANSMISSION GEAR 9 FE 75W-80	API GL-4 ZF TE-ML 01E, 02E, 16P VOITH Class B	<ul style="list-style-type: none"> <li>Suitable for synchronized manual transmissions (with intarder/ retarder) of Voith category B.</li> </ul>
	TRANSMISSION GEAR 8 FE 75W-80	API GL-4 ZF TE-ML 01L, 02L, 16K	<ul style="list-style-type: none"> <li>Approved for ZF gearboxes with or without intarder.</li> </ul>
	TRANSMISSION GEAR 7 80W-85	API GL-4 ZF TE-ML 02B, 17A	<ul style="list-style-type: none"> <li>Standard Extreme Pressure oil for manual and automatic gearboxes, transfer box and mechanisms of dismissal.</li> </ul>
 <b>AXLES</b>	TRANSMISSION AXLE 9 80W-90	API GL-5 / MT-1 ZF TE-ML 05A, 12L, 12M, 16B, 17B, 19B, 21A	<ul style="list-style-type: none"> <li>Does not apply to LF range of trucks.</li> <li>Extended drain intervals.</li> <li>Suitable for all types of axles on industrial vehicles with extended drain intervals of up to 240,000 km.</li> </ul>
	TRANSMISSION AXLE 8 FE 80W-140	API GL-5 / MT-1 ZF TE-ML 05A, 12M, 16D, 21A	<ul style="list-style-type: none"> <li>High performance multigrade oil designed for severely loaded hypoid axles and final reduction.</li> </ul>
	TRANSMISSION AXLE 7 85W-140	API GL-5 ZF TE-ML 05A, 12E, 16D, 17B, 21A	<ul style="list-style-type: none"> <li>Reliable protection of axles and differentials.</li> </ul>
 <b>MANUAL GEARBOX &amp; AXLES</b>	TRANSMISSION DUAL 9 FE 75W-90	API GL-4 / GL-5 / MT-1 ZF TE-ML 02B, 05B, 12L, 12N, 16F, 17B, 19C, 21B	<ul style="list-style-type: none"> <li>Suitable for hypoid axles.</li> <li>Applicable on synchromesh gearboxes without intarder.</li> </ul>
 <b>AUTOMATIC GEARBOX &amp; POWER STEERING</b>	FLUIDE XLD FE	ZF TE-ML 04D, 14B, 16L, 17C Meets Allison TES 295/ TES 389, ZF TE-ML 02F, 11B, 14C, Dexron® IIIH	<ul style="list-style-type: none"> <li>Particularly recommended for maximum drain intervals on Voith and ZF automatic gearboxes of heavy duty vehicle and bus transmissions.</li> </ul>
	FLUIDE G3	Dexron® IIIH ALLISON C4	<ul style="list-style-type: none"> <li>Suitable for all automatic gearbox applications (ZF, Voith, Allison) in commercial vehicles and buses as well as couplers and hydraulic converters.</li> </ul>
 <b>COOLING SYSTEMS</b>	COOLELF AUTO SUPRA -37°C GLACELF AUTO SUPRA	AFNOR NFR 15-601 ASTM D3306/ D4656/ D4985/ D6210 BS 6580	<ul style="list-style-type: none"> <li>COOLELF AUTO SUPRA -37°C: Premixed anti-freeze providing excellent protection against corrosion and cavitation. Ready to use.</li> <li>GLACELF AUTO SUPRA: Excellent protection against corrosion and cavitation. Anti-freeze concentrate for dilution.</li> </ul>
 <b>BRAKES &amp; CLUTCH</b>	HBF 4	DOT 4 SAE J 1704 ISO 4925 Class 4	<ul style="list-style-type: none"> <li>Recommended for brake and clutch systems.</li> </ul>



TOTAL LUBRIFIANTS  
562 Avenue Du Parc De l'île, Nanterre,  
Cedex, France, 92029  
[www.lubricants.total.com](http://www.lubricants.total.com)

