

TOTAL RUBIA TIR
PROTECTS

MAN



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



YOUR **MAN** 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.

MAN APPROVALS	LEVEL OF PERFORMANCE MAX ★★ ★★	APPLICATION
M 3677	★★★ ★	For Euro 6 and earlier diesel engines with or without exhaust aftertreatment. Extended drain intervals. LOW SAPS
M 3575	★★ ★	For Euro 5 and earlier diesel engines with or without exhaust after treatment. LOW SAPS
M 3477	★★★ ★	For Euro 3, Euro 4 and Euro 5 diesel engines with or without exhaust after treatment. Extended drain intervals. LOW SAPS
M 3277	★★ ★	For Euro 3 and earlier diesel engines. Extended drain intervals.
M 3275	★	For Euro 3 and earlier diesel engines. Normal drain intervals.
M 3271-1	★	For gas engines. Oil drain interval: 30,000 km.



RUBIA TIR ENGINE OIL DEDICATED TO MAN TRUCK	RUBIA TIR 9900 FE 5W-30	RUBIA TIR 9200 FE 5W-30	RUBIA TIR 8900 FE 10W-30	RUBIA TIR 8600 FE 10W-30	RUBIA TIR 7900 FE 10W-30	RUBIA TIR 7200 FE 15W-30	RUBIA TIR 9900 10W-40	RUBIA TIR 8900 10W-40	RUBIA TIR 8600 10W-40	RUBIA TIR 7900 15W-40	RUBIA TIR 7400 15W-40	RUBIA TIR 6400 15W-40
M 3677	✓											
M 3575					✓		✓			✓		
M 3477	✓		✓				✓	✓				
M 3277		✓		✓					✓			
M 3275						✓					✓	✓
M 3271-1			✓				✓	✓				
Fuel Economy	✓	✓	✓	✓	✓	✓						
Low SAPS	✓		✓		✓		✓	✓		✓		



COMPONENT OF MAN TRUCK	RECOMMENDED LUBRICANTS & SPECIALTIES	SPECIFICATIONS	APPLICATIONS
 MANUAL GEARBOX	TRANSMISSION GEAR 9V FE 75W-80	MAN 341 Type E4 / VR API GL-4	<ul style="list-style-type: none"> Approved for Voith retarders with highly extended oil drain interval.
	TRANSMISSION GEAR 9 FE 75W-80	MAN 341 Type Z5 API GL-4	<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. Recommended for extended drain intervals (up to 300,000 km) on manual gearboxes of MAN commercial vehicles. Particularly suitable for the latest generation gearboxes with carbone synchronisation.
	TRANSMISSION GEAR 8 FE 75W-80	MAN 341 Type E3 / Z4 API GL-4	<ul style="list-style-type: none"> Suitable for EATON gearboxes.
	TRANSMISSION GEAR 7 80W-85 TRANSMISSION GEAR 7 80W-90	MAN 341 Type E1 / Z2 API GL-4	<ul style="list-style-type: none"> Approved by ZF with standard drain interval on all their manual gearbox applications. Not suitable for intarder or retarder applications.
 AXLES	TRANSMISSION AXLE 9 FE 75W-90	MAN 342 Type S1 API GL-5 / MT-1	<ul style="list-style-type: none"> Supreme performance multigrade axle oil, formulated for the most severely loaded gear applications, with fuel economy synthetic technology. Suitable for highly loaded hub-reduction and tandem axles.
	TRANSMISSION AXLE 9 80W-90	MAN 342 Type M3 API GL-5 / MT-1	<ul style="list-style-type: none"> Extended drain intervals. Suitable for all types of axles on industrial vehicles with extended drain intervals of up to 240,000 km.
	TRANSMISSION AXLE 7 85W-90 TRANSMISSION AXLE 7 80W-90	MAN 342 Type M1 API GL-5	<ul style="list-style-type: none"> Extreme Pressure mineral oil for the lubrication of highly loaded gears (axles, final drives, transfer cases, planetary gearboxes).
 MANUAL GEARBOX & AXLES	TRANSMISSION DUAL 9 FE 75W-90	MAN 341 Type E3 / Z2, MAN 342 Type M3 API GL-4 / GL-5 / MT-1	<ul style="list-style-type: none"> Supreme performance lubricant for hypoid axles. Extended drain intervals.
	TRANSMISSION DUAL 8 FE 80W-90	MAN 341 Type E2 / Z2, MAN 342 Type M2 API GL-4 / GL-5 / MT-1	<ul style="list-style-type: none"> Extended drain intervals (up to 160,000 km). Not suitable for intarder applications.
 AUTOMATIC GEARBOX & POWER STEERING	FLUIDE XLD FE	MAN 339 Type V2 / Z2 DEXRON® III H	<ul style="list-style-type: none"> Particularly recommended for maximum drain intervals on Voith, ZF and Allison automatic gearboxes of heavy duty vehicle and bus transmissions.
	FLUIDE G3	MAN 339 Type V1 / Z1 DEXRON® III H	<ul style="list-style-type: none"> Recommended for all automatic transmissions (automatic gearboxes, couplers and convertors, power-assisted steering systems) and hydraulic systems when DEXRON® III fluid is required.
 COOLING SYSTEMS	COOLELF AUTO SUPRA -37°C	MAN 324 Type SNF AFNOR NFR 15-601 ASTM D3306/ D4656/ D4985/ D6210 BS 6580	<ul style="list-style-type: none"> Premixed anti-freeze providing excellent protection against corrosion and cavitation. Ready to use.
	COOLELF SI-OAT	MAN 324 Type SI-OAT	<ul style="list-style-type: none"> New product for EURO 6 engines with hybrid organic acid technology (SI-OAT). Excellent protection against corrosion and cavitation. Ready to use.
 BRAKES & CLUTCH	HBF 4	DOT 4 SAE J 1704 ISO 4925 Class 4	<ul style="list-style-type: none"> Recommended for brake and clutch systems.



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