



# RUBIA TIR 7900 FE SAE 10W-30

**DIESEL  
ENGINES**



**High performance fuel-economy, heavy-duty diesel engine oil, API CJ-4 /SM**

## APPLICATIONS

**All types of service**

- **RUBIA TIR 7900 FE 10W-30** is developed for the newest (post 2007) low emission, diesel engines with after-treatment systems such as diesel particulate filters. These engines may use low sulfur or ultra-low sulfur diesel fuel and have good compatibility with biodiesel.
- This semi- synthetic low SAPS (low sulfated ash, low phosphorus, low sulfur) formulation meets the most severe servicing conditions for both on and off-highway diesel powered equipment. This fuel economy grade is recommended for transportation and off-highway equipment such as long- and short-haul delivery trucks, farm tractors, construction equipment, etc.

## PERFORMANCE

**Specifications**

- API CJ-4/SM (API CJ-4, CI-4 Plus, CI-4, CH-4, CG-4, CF/SM)
- ACEA E7/E9

**OEMs' approvals**

Mack EO-O PP 07; Mercedes Benz MB- Approval 228.31; Renault Trucks RLD-3; Volvo VDS -4; Cummins CES 20081;

Meets the requirements of Caterpillar ECF-3

## CUSTOMER BENEFITS

**Increased drain intervals**

**High technical performance**

- Its high performance level allows longer drains intervals over prior API categories for heavy duty diesel engine oil. It satisfies most North-American warranty requirements.
- Exceptional anti-wear and anti-corrosion properties.
- Good efficiency against bore polishing.
- Excellent viscosity stability in operation.
- High detergency and excellent soot dispersion
- Excellent low temperature properties for cold climates

## CHARACTERISTICS

TYPICAL PROPERTIES--RUBIA TIR 7900 FE SAE 10W-30			
Specific gravity	0.871	Pour point, °F (°C) (ASTM D 97)	-29 (-34)
Viscosity @ 40°C, cSt (ASTM D 445)	65.7		TBN (ASTM D 2896)
Viscosity @ 100°C, cSt (ASTM D 445)	11.8	Sulfur (ppm)	<0,4
Viscosity Index (ASTM D 2270)	150	Phosphorus (ppm)	<1200
Flash point °F (°C) (ASTM D 92)	415 (213)	Ash, wt% (ASTM D 874)	1.0
Cold crank, cps @ -25°C (ASTM D 5293)	<7000	HTHS @ 150 C, cP	3.6

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