

RUBIA TIR 7900, SAE 15W-40



**DIESEL
ENGINES**



TOTAL

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

APPLICATIONS

All types of service

- Developed for the newest (post 2007) low emission diesel engines with after-treatment systems using low sulfur or ultra-low sulfur diesel fuel.
- Formulated to meet the most severe servicing conditions for both on and off-highway diesel powered equipment. 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

Cummins CES 20081; Detroit Diesel 93K218; DDC series 2000 & 4000; Mack EO-O Premium Plus 07 ; MAN 3275 ; Mercedes Benz-Approval 228.31; Renault trucks RLD-3 and Volvo VDS-4.
Meets the requirements of Caterpillar ECF-3

CUSTOMER BENEFITS

Increased drain intervals

- Its high performance level allows longer drains intervals over prior API categories for heavy duty diesel engine oil.

High technical performance

- Exceptional anti-wear and anticorrosion properties
- Good efficiency against bore polishing
- Excellent viscosity stability in operation
- High detergency and excellent soot dispersion

CHARACTERISTICS

TYPICAL CHARACTERISTICS--RUBIA TIR 7900 SAE 15W-40

Specific gravity	0.874	Pour point, °F (°C) (ASTM D 97)	-29 (-34)
Viscosity @ 40°C, cSt (ASTM D 445)	118	Flash point °F (°C) (ASTM D 92)	424 (218)
Viscosity @ 100°C, cSt (ASTM D 445)	15.0	Phosphorus (ppm)	< 1200
Viscosity Index (ASTM D 2270)	132	Ash, wt% (ASTM D 874)	1.0
TBN (ASTM D 2896)	10	Sulfur	< 0.4
Cold crank, cps @ -20°C (ASTM D 5293)	< 7000		

TOTAL Lubricants USA Southwest

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