

RUBIA TIR 7900 SYN NA

SAE 15W-40



**DIESEL
ENGINES**



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

APPLICATIONS

All types of service

- **RUBIA TIR 7900 SYN NA** is a full synthetic 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

OEM Suitability

Meets the requirements of Caterpillar ECF-3; 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.

CUSTOMER BENEFITS

Increased drain intervals

**High technical
performance**

- The high performance level of a full synthetic allows longer drains intervals over mineral based oils in heavy duty diesel engine oil service.
- Exceptional anti-wear and anticorrosion properties
- Excellent low temperature start-up
- High detergency and excellent soot dispersion

CHARACTERISTICS

TYPICAL CHARACTERISTICS--RUBIA TIR 7900 SYN NA SAE 15W-40	
Specific gravity @ 60F (ASTM D 1298)	0.865
Viscosity @ 40°C, cSt (ASTM D 445)	110
Viscosity @ 100°C, cSt (ASTM D 445)	15.3
Viscosity Index (ASTM D 2270)	145
TBN (ASTM D 2896)	10
Cold crank, cps @ -20°C (ASTM D 5293)	< 7000
Pour point, °F (°C) (ASTM D 97)	-39 (-39)
Flash point °F (°C) (ASTM D 92)	464 (240)
Phosphorus (ppm)	< 1200
Ash, wt% (ASTM D 874)	1.0
Sulfur, wt%	< 0.4

TOTAL Lubricants USA Southwest

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