

# RUBIA TIR 7800 15W40

Very High Performance Heavy duty diesel engines



**TOTAL**

## APPLICATIONS

**Protection to diesel engines**

**Providing reliable performance**

- Super premium diesel engine oil especially formulated to provide outstanding protection to modern, high performance diesel engines used in the toughest on- and off-highway applications.
- Particularly designed using top quality, highly refined base oil together with advance-technology additives to provide reliable performance in the latest emission designs, including those with EGR systems, as well as satisfying the needs of older engines.

## PERFORMANCES

**Specifications**

**OEM's approvals**

- API CI-4 PLUS, API CI-4/SL
- ACEA E7
- Global DHD-1
- Cummins CES 20076/7/8
- Detroit Diesel 93K214
- Mack EON Premium Plus 03
- MAN 3275
- Mercedes Benz MB-Approval 228.3
- Volvo VDS-3

Meet the requirement of Caterpillar ECF 2

## CUSTOMER BENEFITS

**Engine Protection**

**EGR Emission system**

- Contributes to the reduction of both fuel consumption and emissions.
- Exceptional high temperature/high shear viscosity for bore-polishing protection and reduced engine scuffing hence extend engine life.
- Outstanding control of oxidation and thermal stability reduces sludge deposits to keep engines cleaner.
- Extended TBN reserves provide improved acid neutralization and corrosion protection.
- Excellent dispersancy provides outstanding soot control in Exhaust Gas Recirculation (EGR) and non EGR diesel engines.

## CHARACTERISTICS

Total Rubia TIR 7800	Method	Units	SAE 15W40
Volumetric mass at 15°C	ASTM D1298	kg/m <sup>3</sup>	879
Viscosity at 40°C	ASTM D445	mm <sup>2</sup> /s	111
Viscosity at 100°C	ASTM D445	mm <sup>2</sup> /s	14.60
Viscosity Index	ASTM D2270	-	137
Pour Point	ASTM D97	°C	-36
Flash Point	ASTM D92	°C	225
TBN	ASTM D2896	mgKOH/gm	10

The typical characteristics mentioned represent mean values.

**TOTAL Rubia TIR 7800 15W40**  
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This lubricant, when used according to our recommendations and for the purpose for which is intended, presents no particular hazards. A safety data sheet complying with current EC legislation can be obtained from your local commercial adviser.