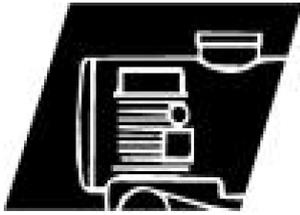


RUBIA TIR 7800 SYN NA SAE 5W-40



**DIESEL
ENGINES**



Synthetic heavy duty diesel engine oil, API CI-4+/SL

APPLICATIONS

API CI-4 +

All types of service

- **RUBIA TIR 7800 SYN NA 5W-40** is a 12 TBN lubricant formulated to meet the enhanced API CI-4+ specification for use in EGR equipped heavy-duty diesel engines in high output service. It is recommended especially for all on-highway applications, but can also be used in off-highway diesel equipment, farm tractors, and passenger cars and light trucks with diesel engines, turbo-charged or non turbo-charged and well as gasoline engines.

PERFORMANCE

Specifications

- API CI-4 Plus/SL (API CI-4 Plus, CI-4, CH-4, CG-4, CF-4, CF/SL)
- ACEA E7
- GLOBAL DHD-1

CUSTOMER BENEFITS

Increased drain intervals

Excellent low temperature fluidity

- Its synthetic base oil allows longer drains intervals than mineral-based API CI-4/SL category oils.
- Exceptional anti-wear and anticorrosion properties
- Excellent low temperature flow characteristics allow easy start ups, even under extremely cold weather.
- Excellent viscosity stability in operation
- High detergency and excellent soot dispersion

CHARACTERISTICS

| TYPICAL PROPERTIES—RUBIA TIR 7800 SYN NA SAE 5W-40 | |
|--|-----------|
| Specific gravity at 60/60 F (ASTM D 1298) | 0.861 |
| Viscosity @ 40°C, cSt (ASTM D 445) | 92 |
| Viscosity @ 100°C, cSt (ASTM D 445) | 14.5 |
| Viscosity Index (ASTM D 2270) | 162 |
| Flash point °F (°C) (ASTM D 92) | 435 (224) |
| TBN (ASTM D 2896) | 12 |
| Pour point °F (°C) (ASTM D 97) | -48 (-54) |
| Cold crank, cps @ -30°C (ASTM D 5293) | < 6600 |

TOTAL Lubricants USA, Inc.

400 Chisholm Place, Suite 418
Plano TX 75075
800-442-5823 or 469-241-0950
www.total-us.com

Rubia TIR 7800 SYN NA 5W-40
Sheet Updated 5/10/2010

5 North Stiles Street
Linden, NJ 07036
908-862-9300 or 800-526-4127
www.total-us.com

TOTAL Lubricants USA has a policy of continuous improvement and reserves the right to change specifications as our technology progresses. We are not responsible for the misuse and/or misapplication of our products. MSDS are found on our web sites.