

**AMALIE**<sup>®</sup>

*Better than it has to be<sup>®</sup>  
Since 1903*



**RAILROAD**

**DIESEL**

SAE  
**40**

**9 TBN ENGINE OIL**



**MADE IN U.S.A.**



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Since 1903

# RAILROAD DIESEL 9 TBN ENGINE OIL

**AMALIE Railroad Diesel Engine Oil SAE 40 - 9 TBN** represents the latest advancement in zinc free and chlorine free<sup>1</sup> railroad diesel engine oil technology. This engine oil provides superior liner scuffing protection, reduced train wear, and reduced piston deposits. Improved thermal and oxidation stability minimizes oil degradation and reduces sludge formation.

**AMALIE Railroad Diesel Engine Oil SAE 40 - 9 TBN** offers advanced detergency and dispersant technology. The exceptional Total Base Number retention and oil consumption reduction characteristics of the oil are directly linked to its superior oxidation control, viscosity retention, shear stability, acid production control and wear protection.

**AMALIE Railroad Diesel Engine Oil SAE 40 - 9 TBN** offers the highest levels of oil performance and quality to insure superior engine productivity, maximum power utilization and reduced life-cycle maintenance costs. It meets the performance requirements of General Electric and EMD (Electro- Motive Division). It also meets the requirements of Tier 3, LMOA Generation 6, API CD, CF and CF-2 as well as Caterpillar 3600 for mixed fleet operation.

- 1. Contains less than 50 ppm chlorine.

## TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

|  |       |
|--|-------|
| SAE Grade.....                             | 40    |
| TBN, mgKOH/g.....                          | 9     |
| Kinematic Viscosity @100°C, cSt.....       | 14.5  |
| Kinematic Viscosity @40°C, cSt.....        | 140   |
| Viscosity Index.....                       | 102   |
| Sulfated Ash (%M) .....                    | <1    |
| Flash Point, °C .....                      | 250   |
| Pour Point, °C .....                       | -18   |
| Zinc (ppm).....                            | <10   |
| Chlorine (ppm).....                        | <50   |
| Foam Sequence I (Tendency/Stability).....  | 0 / 0 |
| Foam Sequence II (Tendency/Stability)..... | 0 / 0 |

Typical values are listed. Variations not affecting the performance of this fluid may occur during production; however, these variations will not fall outside of set specification parameters.

Please consult AMALIE Technical Services or your local representative for a full listing of applications.

Technical Services: • (800) 368-1264 • techservices@amalie.com

### Railroad Diesel - 9 TBN

| VISCOSITY | PACK SIZE      | PART #       |
|-----------|----------------|--------------|
| 40        | 55 Gallon Drum | 160-62143-05 |

### Health and Safety

Safety Data Sheets (SDS) are available from your sales representative or at AMALIE.com.

Always refer to your vehicles operating manual to select the correct grade of oil for your engine. The data presented herein are believed to be accurate; however, Amalie Oil Company shall not be liable for its content and makes no warranty with respect thereto.