



# TECH DATA

## RED GIANT OIL

### LOCOMOTIVE ENGINE OIL

#### INTRODUCTION

Red Giant Locomotive Engine oil is an ashless-dispersant, non-zinc, non-chlorinated oil developed to meet the demands of modern railroad, stationary, and marine heavy-duty diesel engines.

- Red Giant Locomotive Engine Oil 20W-40 G7 (LOCO EO 20W-40 G7) is a multi-grade 11 TBN, LMOA Generation 7 level engine oil

It is approved by Progress Rail (formerly EMD) and Wabtec (formerly GE).

#### FEATURES

- Provides extremely good protection against deposits in the piston ring belt area
- Reduces oil thickening from oxidation
- Protects engines from corrosive wear
- Neutralizes combustion acids
- Extends oil and filter life
- Non-chlorinated for easier used-oil recycling

#### APPLICATIONS

Red Giant Locomotive Engine Oil is recommended for turbo-charged or naturally-aspirated locomotive, stationary and marine heavy-duty diesel engines. It is a non-zinc containing engine oil for use in engines that have silver alloy bearings.

Red Giant LOCO EO 20W-40 G7 is approved for use in the following applications:

- EMD 567, 645, 710 and 1010 engines, meeting EPA Tier 4 and previous emission standards
- In GE diesel engines where low and ultra-low sulfur fuels are used, including Tier 4 emission level

## TYPICAL PERFORMANCE DATA

TYPICAL INSPECTIONS	ASTM TEST METHOD	RED GIANT LOCO EO 20W-40
SAE Grade	-	20W-40
Density @ 60°F, lbs/gal	D6822	7.300
API Gravity	D287	29.9
Flash Point, COC, °C (°F)	D92	253 (487)
Kinematic Viscosity cSt @ 40 °C cSt @ 100 °C	D445	138 15.4
Viscosity Index	D2270	115
Cold Cranking @ -15 °C, cP	D5293	8380
Pour Point, °C (°F)	D5950	-15 (5)
Base Number, mg KOH/g	D2896	11
Sulfated Ash, % wt	D874	1.0
Elemental Analysis Sulphur, % Zinc, ppm Phosphorus, ppm	D4294 D4951 D4951	0.19 <1 <1

The values quoted above are typical of normal production. They do not constitute a specification.

Learn more about us: [redgiantoil.com](https://redgiantoil.com)

Contact us: **1-800-798-2441**

**Red Giant Oil Company LLC**

1701 South 3rd St., Council Bluffs, Iowa 51503

[redgiantoil.com](https://redgiantoil.com)

Trademarks are owned or used under license.  
IM-8236E (2022.04)