



A HOLLYFRONTIER BUSINESS

TECH DATA

RED GIANT OIL

LOCOMOTIVE ENGINE OIL

INTRODUCTION

Red Giant Locomotive Engine Oil 20W-40 G7 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 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 20W-40 G7 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 Locomotive Engine Oil 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 LOCOMOTIVE ENGINE OIL 20W-40 G7
SAE Grade	-	20W-40
Product Code	-	RGO24G7
Density @ 60°F, lbs/gal	D6822	7.337
API Gravity	D287	29.1
Flash Point, °C (°F)	D92	258 (496)
Kinematic Viscosity cSt @ 40 °C cSt @ 100 °C	D445	144.0 15.41
Viscosity Index	D2270	110
Cold Cranking @ -15 °C, cP	D5293	8400
Pour Point, °C (°F)	D6749	-27 (-17)
Base Number, mg KOH/g	D2896	11
Sulfated Ash, % wt	D874	1.12
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.

For more information on the Red Giant Oil products we sell:

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Ontario, Canada L5J 1K2

Learn more about us: lubricants.petro-canada.com

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