

Rubia G 900 20W-40

Railroad Engine Oil

KEY DATA



Zinc and Chlorine free lubricant for Railroad diesel engines such as Electro-Motive Diesel (EMD), General Electric (GE) and Wabtec engines.

INTERNATIONAL STANDARDS

- 🔥 API CD / CF / CF-2
- 🔥 LMOA Generation 6

MANUFACTURER APPROVALS

- 🔥 General Electric : "Fundamental Approval" (Generation 4 Long Life)

MEETS THE REQUIREMENTS OF

- 🔥 Electro-Motive Diesel : Referenced (WOSTF - Generation 5)

APPLICATIONS

Rubia G 900 SAE 20W-40 is suitable for EMD and GE Diesel engines fitted on Class 1 railroad locomotives and on industrial applications (Power generation, off-shore well drilling rigs, marine propulsion...).

Rubia G 900 SAE 20W-40 was developed for modern railroad Diesel engines using low or ultra-low Sulfur Diesel fuel. Its formulation is adapted to the most severe servicing conditions for both long and short line railroads with enhanced Particulate Matter and NOx emission control to meet EPA Tier 3 Standard.

Rubia G 900 SAE 20W-40 is a Zinc free lubricant for EMD Silver bearings engines and Chlorine free meeting the Pollutant Regulation about the used oil incineration and/or recycling, together with a better human health protection.

PERFORMANCES & CUSTOMER BENEFITS

- Highly effective detergent-dispersant additive systems
- Very good oxidation resistance enabling the protection of the engines when running idle or under rough operating conditions (hot climate, mountain areas, heavy duties...)
- Very good TBN retention in operation for longer drain intervals
- Low SAPS (Sulfated Ash/Phosphorous and Sulfur) formulation for emission reduction
- Its viscosity grade makes the start operations at low temperature easier and provides substantial fuel economy, compared to the same lubricant in single grade SAE 40.
- Its very low Chlorine level enables the collection of used oil in classical networks and also reduces the skin irritation problems of worker when handling

CHARACTERISTICS*

TEST	UNIT	TEST METHOD	RESULT
Kinematic viscosity at 40°C	mm ² /s	ASTM D445	139
Kinematic viscosity at 100°C	mm ² /s	ASTM D445	15.5
Viscosity index	-	ASTM D2270	114
Pour point	°C	ASTM D97	-24
T.B.N	mg KOH/g	ASTM D2896	9
Zinc content	ppm	ASTM D2896	<10
Chlorine content	ppm	-	<10
Ash content	%	ASTM D874	0.99

*The characteristics given above are obtained with a standard tolerance threshold during production and may not be considered specifications.

RECOMMENDATIONS FOR USE

Before using the product, the vehicle's maintenance guide should be checked. Oil changes should be carried out in accordance with the manufacturer's recommendations.

The product should not be stored at temperatures over 60°C. It should be kept away from sunlight, intense cold and extreme temperature fluctuations. If possible, the packaging should not be exposed to the elements. Otherwise, the drums should be laid horizontally in order to avoid any contamination from water and to prevent the product's label from rubbing off.

HEALTH, SAFETY AND THE ENVIRONMENT

Based on the toxicological information available, this product should not cause any adverse health effects, provided it is used for its intended purpose and in accordance with the recommendations laid out in the Safety Data Sheet (SDS).

This can be obtained on request from your local reseller and is available for consultation at <https://ms-sds.totalenergies.com>.

This product should not be used for any purposes other than the ones for which it is intended.



TotalEnergies Lubricants / Last update of this datasheet: January 23 / Rubia G 900 20W-40

Some variations can be expected under normal production conditions, but these should not affect the product's expected performance irrespective of the site. The information contained in this document is subject to change without notice. Our products can be viewed on our website at www.lubricants.totalenergies.com.