

# Rubia G 1700 SAE 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 4 and 5

#### MEETS THE REQUIREMENTS OF

- 📄 Electro-Motive Diesel : Referenced (WOSTF)
- 📄 General Electric : "Fundamental Approval" (Generation 4 Long Life)
- 📄 Caterpillar Série 3600

### APPLICATIONS

Rubia G 1700 SAE 40 is suitable for EMD and GE Diesel engines fitted on railroad locomotives and on industrial applications (Power generation, off-shore well drilling rigs, marine propulsion...).

Rubia G 1700 SAE 40 is a zinc free lubricant for 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, even if a high sulfur fuel (< 1.0 %) is used
- 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 <sup>2</sup> /s	ASTM D445	149
Kinematic viscosity at 100°C	mm <sup>2</sup> /s	ASTM D445	15.1
Viscosity index	-	ASTM D2270	99
Pour point	°C	ASTM D97	-12
T.B.N	mg KOH/g	ASTM D2896	17
Zinc content	ppm	-	<10
Chlorine content	ppm	-	<100

\* 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 1700 SAE 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](http://www.lubricants.totalenergies.com).