



RUBIA G 1700 20W-40



Zinc and Chlorine free lubricant for Electro-Motive Diesel and General Electric engines

APPLICATIONS

GE and Silver bearings
EMD engines

Industrial sectors

- **TOTAL RUBIA G 1700 20W-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, ...)
- **TOTAL RUBIA G 1700 20W-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

Classifications

Meets the manufacturers
requirements

API : CD / CF
LMOA : Generation 4 and Generation 5

ELECTRO-MOTIVE DIESEL : Referenced (WOSFT)
GENERAL ELECTRIC : "Fundamental Approval" (Generation 4 Long Life)
CATERPILLAR : 3600 serie

CUSTOMER BENEFITS

Engine durability

"Friend" product

Fuel economy

- 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.
- Facilitates the start operations at low temperature and provides substantial fuel economy, compared to the same lubricant in the single grade SAE 40.

CHARACTERISTICS

| RUBIA G1700 | Units | 20W-40 |
|--------------------|--------------------|--------|
| Viscosity at 40°C | mm ² /s | 113 |
| Viscosity at 100°C | mm ² /s | 15.0 |
| Viscosity index | - | 138 |
| Pour Point | °C | -21 |
| TBN | mgKOH/g | 17 |
| Zinc content | ppm | <10 |
| Chlorine content | ppm | < 100 |

The values of the specifications shown in this table are typical values given as an indication only.

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This lubricant used in accordance with our recommendations and for the application for which it is intended does not represent a special hazard. A safety data file conforming to the requirements of current EC legislation is available from your local trade consultant.