



The eni RGB series has been developed to meet the widest range of requirements of EP (Extreme Pressure) lubrication, such as, for instance, gears operating under severe duty (ISO-L-CKD classification).

The oils are formulated from paraffinic base stocks and additives such as sulphur compounds (which ensure good high-speed and shock-load performance) and phosphorus compounds (for low-speed and high-load performance).

They thus satisfy the widest range of operational requirements.

CHARACTERISTICS (TYPICAL FIGURES)

RGB		68	100	150	220	320	460	680
Viscosity at 100°C	mm ² /s	8.74	11.15	15.07	19.29	24.41	31.12	35.4
Viscosity at 40°C	mm ² /s	67.4	97.2	148.93	223.78	318.31	454.77	627
Viscosity Index	-	102	100	100	98	98	98	90
Flash Point COC	°C	232	236	244	244	256	286	250
Pour Point	°C	-15	- 15	- 15	- 15	- 15	- 15	-9
Density at 29.5°C	gm/cc	0.876	0.882	0.885	0.888	0.895	0.896	0.90

PROPERTIES AND PERFORMANC

- eni RGB oils have very good anti-wear and EP properties as demonstrated by the following tests:
 - FZG: pass the 12th stage level;
 - TIMKEN: OK LOAD 60 lbs;
 - 4 BALL EP:* 110 kg last non-seizure load;
 - * 280 kg weld load.
 The oils also possess the following properties:
- thermal and oxidation stability, permitting continuous use at operating temperatures as high as 100 °C
- non-corrosiveness towards materials employed for the construction of machinery and especially those used for gaskets and seals, as well as metals such as steel, cast iron, copper and bronze;
- de-mulsibility: eni RGB oils separate rapidly from water and thus ensure perfect lubrication even in applications where water contamination is possible, as in steelmaking plants, for instance;
- rust protection properties: These oils effectively help protect and conserve lubricated parts even in damp conditions;
- toxicity: the products are non-toxic since they contain no lead compounds; they can thus be used in oil-mist lubrication systems.

**APPLICATIONS**

eni RGB oils are recommended for splash or circulation lubrication of all types of enclosed gears, especially where operating conditions involve heavy loads, high speeds and high relative sliding velocities, at elevated ambient and operating temperatures. The oils can also be used to lubricate other heavily-loaded parts and components such as couplings, transmission screws and low speed plain bearings. As indicated, they can be used, too, in oil-mist lubrication systems.

SPECIFICATIONS

eni RGB oils meet the requirements of the following specifications:

- ISO-L-CKD
- ANSI/AGMA 9005-D94 (AGMA 2EP, 3EP, 4EP, 5EP, 6EP, 7EP, 8EP)
- ASLE EP
- DIN 51517 teil 3 CLP
- U.S. STEEL 224