



eni Blasia ML (series)

The **eni Blasia ML** 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).

eni Blasia ML series satisfy the widest range of operational requirements.

CHARACTERISTICS (TYPICAL FIGURES)

eni Blasia ML		68	100	150	220	320	460
Viscosity at 40°C	mm ² /s	65	99	144	225	319	451
Viscosity at 100°C	mm ² /s	8.6	11.2	14.3	19.3	24.2	30.5
Viscosity Index	-	103	98	97	97	97	97
Flash Point COC	°C	246	252	258	262	260	310
Pour Point	°C	-21	-18	-15	-12	-12	-9
Mass density at 15°C	kg/l	0.883	0.887	0.891	0.897	0.901	0.904

PROPERTIES AND PERFORMANCE

- **eni Blasia ML** oils have very good antiwear 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;
- Demulsibility: **eni Blasia ML** 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.



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APPLICATIONS

eni Blasia ML 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 Blasia ML oils meet the requirements of the following specifications:

- ISO-L-CKD
- ANSI/AGMA 9005-D94 (ex AGMA 2EP 250.04)
- CINCINNATI MILACRON
- DAVID BROWN S1.53.101(5E)
- DIN 51517 teil 3 CLP
- U.S. STEEL 224

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