



## eni Blasia ST (series)

The **eni Blasia ST** series is a new SYNTHETIC TECHNOLOGY gear oil line mainly developed to meet the widest range of requirements of EP (Extreme Pressure) lubrication, such as, for instance, gears operating under severe duty (ISO 12925-1 CKD classification).

The oils are formulated from hydrocracked and group III base stocks with 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 ST** series satisfy the widest range of operational requirements.

### CHARACTERISTICS (TYPICAL FIGURES)

eni Blasia ST		100	150	220	320
Viscosity at 40°C	mm <sup>2</sup> /s	100	147	228	314
Viscosity at 100°C	mm <sup>2</sup> /s	11.5	14.9	20.2	24.5
Viscosity Index	-	102	101	102	99
Flash Point COC	°C	250	260	264	258
Pour Point	°C	-18	-12	-15	-12
Mass density at 15°C	kg/l	0.879	0.885	0.889	0.893

### PROPERTIES AND PERFORMANCE

- **eni Blasia ST** oils have excellent 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 ST** 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 ST 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 ST oils meet the requirements of the following specifications:

- ISO 12925-1 type CKD
- ANSI/AGMA 9005-E02
- DIN 51517 teil 3
- U.S. STEEL 224

#### Disclaimer Clause:

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