PRODUCT DATA SHEET

eni Blasia ID

The **eni BLASIA ID** 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 sulfur 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)

eni Blasia ID

ISO VG		68	100	150	220
Appearance	-	B & C	B & C	B & C	B & C
Density at 15°C	kg/L	0.872	0.874	0.880	0.889
Viscosity at 40°C	cSt	64.0	98.7	149.8	218.2
Viscosity at 100°C	cSt	8.2	11.7	15.2	19.1
Viscosity Index	-	95	107	102	99
Flash Point COC	°C	225	234	242	244
Pour Point	°C	-27	-24	-21	-18

eni Blasia ID

ISO VG		320	460	680
Appearance	-	B & C	B & C	B & C
Density at 15°C	kg/L	0.890	0.900	0.889
Viscosity at 40°C	cSt	324.0	450.3	203.8
Viscosity at 100°C	cSt	24.4	30.2	18.4
Viscosity Index	-	97	96	100
Flash Point COC	°C	246	248	242
Pour Point	°C	-15	-9	-9

PROPERTIES AND PERFORMANCE

- **eni BLASIA ID** 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 as100 °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 ID** 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 BLASIA ID 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 ID 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

-DAVID BROWN S1.53.101(5E)

eni BLASIA ID products have been approved by the CINCINNATI MILACRON (P-63 ISO 68, P-77 ISO150, P-74 ISO 220,P-35 ISO 460).

eni BLASIA ID 150, 220, 320, 460, 680 are approved by Danieli according to Standard 0.000.001 specification