PRODUCT DATA SHEET

Eni Blasia

The **Eni Blasia** series was developed to provide a wide range of high-pressure lubricants, such as for heavily loaded industrial gears (ISO-L-CKD specification).
To achieve this, paraffinic base oils and sulfur compounds (for good high-speed and shock load performance) and phosphorus compounds (for low-speed and high-pressure performance) are used.

Characteristics (typical figures):

Eni Blasia	Unit	68	100	150	220	320	460	680	Test method
Kin. Viscosity at 40°C	mm²/s	68	100	150	220	320	460	680	DIN 51 550
at 100°C	mm²/s	8,2	11,8	13,9	18,7	23,0	30,9	35,4	
Viscosity index		103	96	95	95	94	95	87	DIN ISO 2909
Density at 15°C	kg/m³	887	889	894	896	903	908	920	DIN 51 757
Flashpoint o. C.	°C	231	242	244	232	246	260	261	DIN ISO 2592
Pour point	°C	-24	-27	-24	-18	-18	-15	-6	DIN ISO 3016
Designation		CLP	CLP	CLP	CLP	CLP	CLP	CLP	DIN 51 517 T.3
ISO-VG grades		68	100	150	220	320	460	680	

Properties and Performance:

- **Eni Blasia** oils combine excellent anti-wear and EP properties, which is evident from the following test results:
- FZG test (A/8,3/90) is fulfilled with >12
- Timken: OK-Load 60lbs
- VKA: good force 110kg
- Welding force 280kg
- **Eni Blasia** also has the following properties:
- Temperature and oxidation resistance at consistently high operating temperatures of over 100°C
- Compatible with all materials and sealing materials used in mechanical engineering
- High demulsibility ensures rapid separation from water, which ensures excellent lubricating properties even in the presence of moisture such as in steelmaking
- The excellent anti-corrosion properties protect metal components even in humid environmental conditions
- As lead was not used in the formulation, it can be safely used for oil mist lubrication.

Applications:

Eni Blasia oils can be used as high-performance gear oils for splash and circulation lubrication in all oil-tight encapsulated gears, especially with high mechanical loads, high speeds or sliding speeds such as slow-running and heavily loaded plain and roller bearings, clutches, spindles and gears with high Surface pressures and speeds work.

Eni Blasia

Specifications:

DIN 51 517 T.3 (CLP)
ISO 12925-1 CKD
AIST No. 224
ANSI/AGMA 9005-F16
David Brown S1.53.101 level
Fives Cincinnati P-36 level (ISO VG 68)
Fives Cincinnati P-76 level (ISO VG 100)
Fives Cincinnati P-77 level (ISO VG 150)
Fives Cincinnati P-74 level (ISO VG 220)
Fives Cincinnati P-59 level (ISO VG 320)
Fives Cincinnati P-35 level (ISO VG 460)
Fives Cincinnati P-34 level (ISO VG 680)
Danieli Standard n. 0.000.001 – Rev. 15 (ISO VG 150 - 680)
Müller Weingarten DT 55 005 CLP (ISO VG 68 - 460)