



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	mm ² /s	64	100	150	220	320	460	680	DIN 51 550
	at 100°C	mm ² /s	8,2	11,8	13,9	18,7	23,0	30,9	
Viscosity index		95	95	95	95	94	95	93	DIN ISO 2909
Density at 15°C	kg/m ³	885	890	894	895	903	908	922	DIN 51 757
Flashpoint o. C.	°C	225	230	244	240	246	260	246	DIN ISO 2592
Pour point	°C	-27	-24	-24	-20	-18	-15	-9	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 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°
 - 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.



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Specifications:

ISO-L-CKD
ISO 12925-1 CKD (ISO VG 460)
AIST No. 224 (ISO VG 460)
ANSI/AGMA 9005-D94 (AGMA 2EP, 3EP, 4EP, 5EP, 6EP, 7EP, 8EP)
AGMA 9005-E02 (ISO VG 460)
ASLE EP
DIN 51 517 T.3 (CLP)
U.S. STEEL 224
David Brown S1.53.101 (5E)
Fives Cincinnati P-35 level (ISO VG 460)
Müller Weingarten DT 55 005 CLP (ISO VG 460)

Eni Blasia are approved by CINCINNATI MILACRON P63 (ISO 68), P77 (ISO 150), P74 (ISO 220)

Eni Blasia 150, 220, 320 460 und 680 are approved by Danieli Standard Specification 0.000.001