



## eni BLASIA

**High-pressure gear oil** based on mineral oil for oiltight mechanical industrial transmissions and other high loaded lubricating points.

### Characteristics (typical figures):

eni BLASIA	Unit	68	100	150	220	320	460	680	Test method
Kin. Viscosity at 40°C	mm <sup>2</sup> /s	64	100	141	220	300	460	627	DIN 51 550
	at 100°C	mm <sup>2</sup> /s	8,2	11,8	13,9	18,7	23,0	30,9	
Viscosity index		95	95	95	95	95	95	90	DIN ISO 2909
Density at 15°C	kg/m <sup>3</sup>	885	890	895	895	900	908	915	DIN 51 757
Flashpoint o. C.	°C	225	230	235	240	240	260	250	DIN ISO 2592
Pour point	°C	-27	-24	-22	-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** - types are produced from a well-balanced combination of carefully selected base oils and coordinated high-pressure additives with them with a wide sphere of action. Sulphurous additives cause at relatively high gliding speeds as well as well as at intermittent and oscillating loads a layer building stable lubrication film. Additives based on phosphor take effect especially at high loaded slow running transmissions and contribute the formation of a stable and seizing preventing lubrication film. The high base oil quality in connection with oxidation inhibitors ensure a high thermal load capacity and long service times. They are compatible with all common sealing materials and internal varnishes.

### Applications:

**eni BLASIA** - types are applicable as high-performance gear oils for the splash and circular lubrication in all oiltight incased transmissions, especially with mechanically high loaded lubricating points such as slow running and high loaded sliding and roller bearings, clutches, spindles and transmissions with high surface pressures and numbers or revolution. Since these oils do not content lead soaps they can also be used for the oil mist lubrication.

Please observe the manufacturer's specifications when selecting products!



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## Additional physical-technical data:

Agip BLASIA	Unit	68	100	150	220	320	460	680	Test method
Neutralisation number (s)	mgKOH/g	0,4	0,5	0,5	0,5	0,5	0,6	0,6	DIN 51 558 T.1
Ash (sulphate)	weight %	0,04							DIN 51 575
Coke residue according to Conradson	weight %	0,1	0,1	0,3	0,4	0,5	0,7	1,5	DIN 51 551
Corrosion effect on copper	Corr.-grade	1 - 100 A 3							DIN 51 759
Corrosion protection properties against steel	Corr.-grade	0 - A							DIN 51 355 method A
Determination of undissolved materials	g/100 g	< 0,03							DIN 51 592
Demulsifying power	54°C	min	15	10	---	---	---	---	
	82°C	min			15	15	15	15	---
Water content	g/100g	< 0,1							DIN ISO 3733
FZG-Test A/16,6/140 load stage		> 12							DIN 51 354 T.2
Spec. change of weight	mg/KWh	< 0,27							
Timken test OK load	lbs	60	60	60	65	60	65	65	

## 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 Blasias** are approved by CINCINNATI MILACRON P63 (ISO 68), P77 (ISO 150), P74 (ISO 220)

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