PRODUCT DATA SHEET

Agip BLASIA S

High pressure gear oil based on synthetic base oils of Polyglycol type for the lubrication of high loaded spur and worm gears as well as rolling and sliding bearings under extreme operational conditions.

Characteristics (typical figures):

Agip BLASIA S		Unit	150	220	320	460	Test method
Kin. Viscosity	at 40°C	mm²/s	152	230	320	460	DIN 51 550/51562
	at 100°C	mm²/s	24,6	34,0	46,3	77	
Viscosity index			195	195	205	251	DIN ISO 2909
Density at 15°C		kg/l	1,00	1,03	1,030	1,053	DIN 51 757
Flashpoint o. C.		°C	240	240	240	267	DIN ISO 2592
Pourpoint		°C	-36	-33	-33	-39	DIN ISO 3016
Designation			PGLP	PGLP	PGLP	PGLP	DIN 51 503
ISO-VG-class			150	220	320	460	DIN 51 519

Properties and Performance:

Agip BLASIA S - oils particularly excel due to an extremely favourable viscosity temperature behaviour, excellent temperature and oxidation stability, good corrosion protection, as well as high air absorption capability. As opposed to lubricating oils based on mineral oils these oils can be continuously applied for working temperatures up to 200°C. The synthetic base oil however favours the water absorption capability, so that aggregates filled with this oil should be protected from bigger water break-in's. Since these oils are not miscible with mineral oils the circulation systems first have to be carefully cleaned and rinsed. They are compatible with common sealing materials; internal varnishes however have to be based on epoxy-resin.

Applications:

Agip BLASIA S - oils are applicable as high performance gear oils for the splash lubrication and forced-feed lubrication at high thermal loads in all oil tight incased spur gears and bevel gear differentials, such as in paper, paper and woodpulp machines, calenders and rubber kneaders, that are exposed to high ambient temperatures or thermal radiation. Higher efficiency factors are achieved at the application in high performance worm gears with material combination steel/bronze. Additionally these oils can be used for the lubrication of thermal and mechanical high loaded rolling and sliding bearings.

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Additional physical-technical data:

Agip BLASIA S	Unit	150	220	320	460	Test method
FZG-Test A/8,3/90 load stage		>12				DIN 51 357 T.2
Spec. change of weight	mg/kWh	< 0,27				

Specifications:

DIN 51 502 PGLP