

The AGIP BLASIA 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 sulphur 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) AGIP BLASIA

Characteristics	ASTM	Unit	ISO VG GRADE						
			68	100	150	220	320	460	680
Density at 15°C	D 4052	kg/l	0.882	0.885	0.892	0.898	0.900	0.904	0.907
Viscosity at 100°C	D 445	mm ² /s	8.65	11.25	14.7	19.2	23.8	30.5	39.2
Viscosity at 40°C	D 445	mm ² /s	66	100	148	220	310	455	670
Viscosity Index	D 2270		102	98	98	98	97	96	96
Flash Point, COC	D 92	°C	226	246	256	260	262	270	240
Pour Point	D 97	°C	-15	-15	-15	-12	-12	-9	-6

PROPERTIES AND PERFORMANCES

- AGIP BLASIA oils have very good anti-wear and EP properties as demonstrated by the following tests :
 - o FZG : pass the 12th stage level
 - o TIMKEN : OK LOAD 60 lbs
 - o 4 BALL EP :
 - 110 kg last non-seizure load
 - 280 kg weld load
 - o Foaming Tendency/Stability:
 - Seq 1 : 0/0
 - Seq 2 : 0/0
 - Seq 3 : 0/0
- Thermal and oxidation stability, permitting continuous use at operating temperature as high as 100 °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: AGIP BLASIA oils separate rapidly from water and thus ensure perfect lubrication even in applications where water contamination is possible, as in steel-making plants for instance.
- Rust protection properties: These oils effectively help protect and conserve lubricated parts even in damp conditions.
- Toxicity: the product is non-toxic since they contain no lead compounds.

SPECIFICATIONS

AGIP BLASIA oils meet the requirements of the following specifications :

- ISO-L-CKD
- ISO 12925
- US STEEL 224
- ANSI/AGMA 9005-D94 (AGMA 2EP, 3EP, 4EP, 5EP, 6EP, 7EP, 8EP)
- DIN 51517 TEIL 3 CLP
- CINCINNATI MILACRON
- DAVID BROWN S1.53.101 (5E)

APPLICATION

AGIP BLASIA 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-load parts and components such as couplings, transmission screws and low speed plain bearings.

APPROVAL

AGIP BLASIA products have been approved by the CINCINNATI MILACRON (P-63 ISO 68, P-77 ISO 150, P-74 ISO 220, P-35 ISO 460)