

# AGIP BLASIA FMP



The AGIP BLASIA FMP series are very high performance gear oils for lubricating in extreme pressure conditions (EP) the last generation industrial gear reducers, in particular, those extremely compact and of high specific power that could have problems of micropitting damages.

They are formulated with selected paraffinic base stocks and specific additives for a very wide operative exigencies, (ISO-L-CKD classification).

## CHARACTERISTICS (TYPICAL FIGURES)

BLASIA FMP		150	220	320	460
Viscosity at 40°C	mm <sup>2</sup> /s	141	220	300	460
Viscosity at 100°C	mm <sup>2</sup> /s	13.9	18.7	23.0	30.9
Viscosity Index	-	95	95	95	95
Flash Point COC	°C	235	240	240	245
Pour Point	°C	-22	-20	-18	-14
Mass density at 15°C	kg/l	0.895	0.895	0.900	0.905

## PROPERTIES AND PERFORMANC

AGIP BLASIA FMP oils have very good antiwear and EP properties as demonstrated by the following tests:

- FZG (A 8,3/90), scuffing test: pass the 12<sup>th</sup> stage;
- FZG (FVA 54) – micro pitting test, load stage > 10<sup>th</sup>;
- FAG FE 8 (DIN 51819-3), wear of rollers: 2mg;
- Timken OK load (ASTM D 2782), 70 lbs;
- 4 balls EP (ASTM D 2783), last nonseizure load: 110 kg; welding load: 280kg.

AGIP BLASIA FMP oils also possess the following properties:

- thermal and oxidation stability, permitting continuous use at operating temperatures 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: they separate rapidly from water and thus ensure perfect lubrication even in applications where water contamination is possible, as in steelmaking plants, for instance;
- rust protection properties: these oils effectively help, protect and conserve lubricated parts even in damp conditions;
- very low tendency to foaming to ensure a very good lubricating film.

## APPLICATIONS

AGIP BLASIA FMP 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 in industrial and marine applications. They can also be used to lubricate other heavily-loaded parts and components such as couplings, transmission screws and low speed plain and rolling bearings. As indicated, they can be used, too, in oil-mist lubrication systems.

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## SPECIFICATIONS

AGIP BLASIA FMP oils are approved and/or met the requirements of the following specifications:

- ISO-L-CKD
- ISO 12925-1 – type CKD
- ANSI/AGMA 9005-D94 (AGMA 4EP, 5EP, 6EP e 7EP)
- ASLE EP
- CINCINNATI MILACRON (P-77 ISO 150, P-74 ISO 220, P-35 ISO 460) level.
- DAVID BROWN SI.53.101(5E) level
- DIN 51517 teil 3 – tipo CLP
- FLENDER BA 7300
- Müller Weingarten DT 55 005 type CLP
- U.S. STEEL 224