PRODUCT DATA SHEET

eni Blasia FSX

The **eni BLASIA FSX** series are very high performance synthetic 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 synthetic base oils (PAO) that with a specific additivation gives at these products antiwear, antirust, anticorrosion properties and a very high thermal oxidative stability to satisfy the widest operative exigencies
(classification ISO-L-CKD).

CHARACTERISTICS (TYPICAL FIGURES)

eni BLASIA FSX		150(*)	220(*)	320	460
Viscosity at 40°C	mm²/s	149,0	227,6	330,6	460,6
Viscosity at 100°	mm²/s	19,3	27,0	36,4	46,9
Viscosity Index	-	148	153	157	159
Flash Point COC	°C	250	255	258	260
Pour Point	°C	-48	-48	-45	-42
Mass density at 15°	kg/l	0,855	0,859	0,860	0,862

(*) grade available on request.

PROPERTIES AND PERFORMANCE

- **eni BLASIA FSX** are formulated from PAO a base with inherently good lubricating capacity. Their very high Viscosity Index minimizes change in viscosity over a wide range of operating temperatures.

- **eni BLASIA FSX** have very good antiwear and EP properties as illustrated by the following tests:

  - FZG (A 8,3/90), failure stage > 13°;
  - FZG (FVA 54) – micro pitting test, resistance: "HIGH", failure stage >10°;
  - FAG FE 8 (DIN 51819-3), Rollers wear: 4 mg;
  - Timken OK load (ASTM D 2782), > 65 lbs;
  - 4 balls EP (ASTM D 2783), initial seizure load: 80 kg; welding load: 260 kg.

- **eni BLASIA FSX** have exceptional oxidation and thermal stability for extending lubricant life.

- **eni BLASIA FSX** provide the following features: very low foaming, very good protection against rust and corrosion and very good demulsibility.

SPECIFICATIONS

- **eni BLASIA FSX** oils meet the requirements of the following specifications:
- ISO-L-CKD
- ISO 12925-1 - CKD
- 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.

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PRODUCT DATA SHEET

- DIN 51517 T.3 - CLP
- DAVID BROWN S1.53.101 level
- FLENDER BA 7300 Table A (approval pending)
- Müller Weingarten DT 55 005 type CLP
- U.S. STEEL 224

APPLICATIONS

eni BLASIA FSX are lubricants for enclosed industrial reduction gears systems operating under severe operating conditions, such as very high loads even under shock loading including steel-on-steel spur, helical and bevel gears.

Their applications includes: wind turbines, glass forming machines, steel mills, furnaces, plastic extruders and gearboxes for steel, textile, ceramic, cement industries.

eni BLASIA FSX are especially recommended for application tat may subject to micropitting (gray staining): heavily loaded gear with surface-hardened tooth metallurgies.

They can be used in a very wide temperature range, from very low to very high temperatures (up to 120°C andmore for short periods).