



## Alpha™ SP 150 P

Gear Oil

### Description

Castrol Alpha™ SP 150 P (previously called Energol™ GR-XP 150 Plus) is based upon highly refined mineral oil, enhanced with extreme pressure additive technology. This provides good thermal stability, high load carrying capacity and resistance to microscopic wear, known as micropitting protection. The high load carrying capacity has been boosted over conventional gear oils of this type for specific applications.

### Application

Alpha SP 150 P is recommended for the lubrication of industrial gear boxes using forced circulation or splash and oil bath lubrication. It may be used for the lubrication of spur and helical gears and in some lightly loaded worm type gear applications.

The increased load carrying capacity, highlighted by the high Brugger value makes Alpha SP 150 P particularly suitable for Müller Weingarten equipment.

### Advantages

- Extreme Pressure (EP) performance gives high protection of gears against wear and shock-loading.
- Good water separation characteristics means reduced down time through prolonged lubricant life and increased equipment reliability.
- High protection against corrosion and wear resulting in less maintenance.

## Typical Characteristics

Name	Method	Units	Alpha SP 150 P
Appearance	Visual	-	Clear & Bright
Density @ 15°C / 59°F	ASTM D4052 / ISO 12185	kg/m <sup>3</sup>	887
Kinematic Viscosity @ 40°C / 104°F	ASTM D445 / ISO 3104	mm <sup>2</sup> /s	150
Kinematic Viscosity @ 100°C / 212°F	ASTM D445 / ISO 3104	mm <sup>2</sup> /s	14.6
Viscosity Index	DIN ISO 2909	-	94
Pour Point	DIN-ISO 3016	°C/°F	-24/-11
Foam Sequence I - tendency / stability	ASTM D892 / ISO 6247	ml/ml	0/0
Water Separation @ 82°C / 180°F (40/37/3)	ASTM D1401 / ISO 6614	min	15
Rust Test, Procedure B	DIN 51585 A (12.71)	-	Pass
Flash Point, COC	DIN-ISO 2592	°C/°F	231/448
Timken OK Load test	ASTM D2782	lb/kg	70/32
FZG Gear Scuffing test - A/8.3/90	ISO 14635-1 / DIN 51354	Failure Load Stage	>12
FZG Micropitting test	ASTM D5182	Micropitting Rating	High
Brugger Test	DIN 51347	N/mm <sup>2</sup>	>60

Subject to usual manufacturing tolerances.

**This product was previously called Energol GR-XP 150 Plus. The name changed in 2015**

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