

### INDSYN E.P.

Synthetic Industrial Gear Lubricant  
ISO 150 to 1000



Indsyn EP gear oils are designed specifically for industrial gear reduction units. Manufactured entirely from synthetic poly alpha olefin (PAO) base oils and incorporating advanced additive technology, these oils are particularly suited to gear applications requiring micropitting resistance.

Available in a viscosity range of ISO 150 up to ISO 1000, Indsyn EP are premium performance oils designed for enclosed gears, bearings and wind turbines subjected to severe load and wide extremes of temperature.

The combination of PAO synthetic base oils and the advanced formulation provide excellent oxidation stability, superior wear properties and outstanding extreme temperature performance for extended equipment life.

Gear and bearing life is extended, and the possibility of seizure, scuffing or spalling of gear teeth under high load conditions is greatly reduced. Gear box efficiency is improved over a wide temperature range and power consumption may be reduced.

The high viscosity index maintains oil viscosity at high temperature.

#### Summary of performance

- High level of micro-pitting protection, proven by FVA54 and FE8 tests
- Compatible with other PAO lubricants, mineral oils and most sealing materials, except natural rubbers.
- Low sludging, excellent foam control, ashless, demulsible.

- Meets:
- DIN 51517-3
  - US Steel 224
  - AGMA 9005-EO2 (EP)
  - David Brown S1.53.101 Type E
  - Cincinnati Machine P-74
  - Flender Gear Units

Recommended for service in steel making industry, pulp and paper mills, wind turbines.

<b>Performance Against DIN 51517-3: IndSyn EP ISO VG 220:</b>		<b>Method</b>	<b>Blend Results</b>	<b>DIN 51517-3 2004 – 01</b>
Viscosity	40 C	DIN EN ISO 3104	241.9 198 – 242	None
	100 C			
Viscosity Index		DIN ISO 2909	173	90
Density @ 15C, kg/m3		DIN 51757	0.856	Report
Flash Point, Dec C		DIN EN ISO 2592	250	200 min
Pour Point, Deg C		DIN ISO 3016	-45	-9 max
Neutralisation No. mgKOH/g		DIN 51558-1	0.46	Report
Water Content, %		DIN ISO 3733	<0.1	0.1 max
Foam, Ml	Seq I	ISO 6247	0/0	100/10 max
	Seq II			
	Seq III			
Demulsibility, min		DIN ISO 6614	42 –38 – 0 (15)	30 max
Copper Corrosion		DIN EN ISO 2160	1A	1 max
Steel Corrosion		DIN ISO 7120	Pass	0-A
Oxidation – Vis increase, %		ASTM D 2893	3.7	6.0 max
FZG A/8.3/90 Gear Test		DIN 51534-2	12 Pass	12 min
FE8 D7.5/90-80 Bearing Test	Race Weight Loss, mg E	DIN 51819-3	17	30 max
	Cage Weight Loss, mg			
SRE-NBR 28 Seal Test	Volume Change, %	DIN 53538	+1	-5 to 10
	Hardness Change, pts			
			+3	-10 to 10

Proudly manufactured by **anglomol** "Superior Lubricants"

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