



# Product Information: Indisyn Gear Lubricants

## Description

Indisyn synthetic gear oils are premium performance, extreme pressure lubricants designed for enclosed industrial gears and bearing operating under severe load conditions and in wide extremes of temperature.

The products are formulated using high quality PAO base oils which incorporate additive technologies to deliver excellent wear properties and outstanding extreme temperature performance ultimately extending component and fluid life.

The products exhibit a tough oil film and low coefficient of friction, as well as a high viscosity index, allowing them to combat high temperature conditions and run cooler while maintaining exceptional lubricant film strength.

## Applications

These lubricants are recommended for enclosed gear drives and bearings, particularly those which are subjected to heavy loading, slow speed, shock loads and extremes of temperature. They may be used in gearboxes operating outdoors as selected Indisyn grades are capable of operating over the temperature range -30°C to 121°C.

## Performance Features

- Outstanding anti-wear protection
- Synthetic formulation reduces friction
- Extreme temperature performance and service range
- Resistant to rust and corrosion
- High film strength
- Reduced scuffing and spalling of gear teeth

## Performance Levels

- DIN 51517 part 3
- US Steel 224
- AGMA 9005-E02
- David Brown S1.53.101 Type E
- Flender AG (ISO 220, 320 & 460)

## Typical Data

Characteristic	Unit	150	220	320	460
Density @ 15.6°C	kg/l	0.861	0.864	0.866	0.867
Kinematic Viscosity @ 40°C	cSt	150	223	323	501
Kinematic Viscosity @ 100°C	cSt	19.5	26.4	34.9	49.9
Viscosity Index		148	151	153	160
Flashpoint (Closed)	°C	232	235	237	237
Pour Point	°C	-54	-48	-42	-42

Figures based on average production values