

IGO SERIES

High Performance Industrial Gearboxes & Transmissions Oil

The IGO lubricants are designed to lubricate industrial gearboxes and transmissions. They can be used in circulation or splash systems in closed gearboxes. They are especially formulated with Extreme Pressure (EP) technology that provides an excellent protection against wear by preventing metal-metal contacts. They contain oxidation inhibitors that allow an extended life time by increasing the resistance to oxidation and chemical degradation.

The IGO Series are recommended in spur, helical and hypoid gears working at temperatures up to 100°C. They can also be used to lubricate journal and roller bearings.

Benefits

- Wide range of application including gears, bearings
- Excellent resistance to rust and corrosion
- Resistance to foaming and emulsion formation (easily separates with water)
- Good viscosity index

Applications

- Industrial gearboxes
- Gear-wheel clusters
- Closed-gear transmission systems

Specifications

IGO SERIES								
Meets or exceeds the following industry Specifications	68	100	150	220	320	460	680	
US STEEL 224 / AIST 224	✓	✓	✓	✓	✓	✓	✓	✓
ANSI/AGMA 9005-E02	✓	✓	✓	✓	✓	✓	✓	✓
Cincinnati LAMB P series	✓	✓	✓	✓	✓	✓	✓	✓
DIN 51547 Part 3 : 2004-1 Category CLP	✓	✓	✓	✓	✓	✓	✓	✓
David Brown S1.53 101	✓	✓	✓	✓	✓	✓	✓	✓
ISO 12925-1 : 1996 Category CKD	✓	✓	✓	✓	✓	✓	✓	✓
Typical properties								
Test parameters	Method							
Viscosity @ 40 °C, cSt	ASTM D 445	68	100	150	220	320	460	680
Viscosity @ 100 °C, cSt	ASTM D 445	8.6	11.0	15.0	19.0	24.0	30.4	38.0
Viscosity Index	ASTM D 2270	>95	>95	>95	>95	>95	>95	>92
Flash Point, °C	ASTM D 92	>200	>200	>200	>200	>200	>200	>200
Pour Point, °C	ASTM D 97	- 6	- 6	- 6	- 6	- 6	- 6	- 6
Density @ 15°C, Kg/m3	ASTM D 1298	896	900	895	900	905	910	905
4-Ball EP - Seizure load	ASTM D 2783	-	-	-	>150	>150	>150	>150
4-Ball EP - Weld point	ASTM D 2783	-	-	-	>250	>250	>250	>250
4-Ball Wear test (20 Kg), mm	ASTM D 4712	-	-	-	<0.35	<0.35	<0.35	<0.35
Timken test - OK load, lbs	ASTM D 2782	-	-	-	>60	>60	>60	>60
FZG - Fail load stage	ASTM D2782	-	-	-	Pass 12	Pass 12	Pass 12	Pass 12
Copper corrosion	ASTM D 130	1B	1B	1B	1B	1B	1B	1B
Demulsibility - Total free water, mL	ASTM D 2711		-	-		85.0		
Demulsibility - water in oil, %	ASTM D 2711	-	-	-		1.2		
Demulsibility - Emulsion, mL	ASTM D 2711	-	-	-		0.35		

Above characteristics are mean values given as information. They do not constitute a specification

Health and safety

This lubricant is unlikely to produce any significant health or safety hazard when used in the application it has been designed for and according to the recommendations provided in the Material Safety Data Sheet. MSDS are available upon request through your sales advisor.

When disposing of used oil, please observe all current regulations and protect the environment.