



PRODUCT DATA SHEET

IGO FS INDUSTRIAL GEAR OIL FULLY SYNTHETIC

INDUSTRIAL GRADE

Product Description

TOYO-G Industrial Gear Oil is a high performance, heavy duty, thermally stable, gear lubricant specially formulated from high quality 100% pure synthetic base stocks and special advanced additives package to meet the latest specifications for today's high performance industrial applications.

It provides excellent protection against rust and corrosion, wear resistance, oxidation and good thermal stability, in most INDUSTRIAL gear applications such like worm drive gear system, highly loaded spur and helical gears etc.

TOYO-G IGO EP FS industry gear oil are fortified with extreme pressure additive to provide excellent load carrying ability and extreme pressure properties.

These special new technology additive package suspends sludge and deposits in the gear oil, reduces foaming, extend gear equipment life and prolonged oil service life.

Product Specifications & Performance

GL-4	U.S. Steel 224	ZF TE-ML 08	ZF TE-ML 24A
DIN 51517 Part 3	AGMA 9005-E02	ISO 12925-1 CKC	ISO 12925-1 CKD

TYPICAL PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	ISO 150	ISO 220	ISO 320
FLASH POINT °C	ASTM D-93	220	228	238
VISCOSITY INDEX	ASTM D-2270	177	174	178
POUR POINT °C	ASTM D-97	-50	-45	-47
KINEMATIC VISCOSITY				
40 °C mm ² /s (cSt)	ASTM D-445	151	221	319
100 °C mm ² /s (cSt)	ASTM D-445	22.5	29.5	39.8
TIMKEN OK LOAD, KG	ASTM D-2782	34	34	34
PROPERTY	TEST METHOD	ISO 460	ISO 680	ISO 1000
FLASH POINT °C	ASTM D-93	243	245	248
VISCOSITY INDEX	ASTM D-2270	182	184	190
POUR POINT °C	ASTM D-97	-47	-42	-32
KINEMATIC VISCOSITY				
40 °C mm ² /s (cSt)	ASTM D-445	458	682	998
100 °C mm ² /s (cSt)	ASTM D-445	53.3	72.1	99.2
TIMKEN OK LOAD, KG	ASTM D-2782	36	37	38

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Other Information

Safety Data Sheet

Safety data sheet can be requested via website www.toyointernational.com or you may also can get them from your local agent / supplier.

SDS Number: Kindly refer to the following

Storage and Handling

This product shall be ideally stored in a cool, dry location in unopened containers. Suggested temperature between 8°C to 28°C (46°F to 82°F) unless otherwise labeled.

Stirring is recommended in order to prevent ingredients from separating.

Shelf Life

With good practicing on storage, the minimum shelf life from the batch number approx. 3 years or 36 months

Condition of the product must in the unopened original container

Available Packing Sizes		Part Number # IGO 150EPFS	[SDS # LP11-08]
Pail	18 liter	8696L-0635	
Drum	209 liter	8696L-0636	
		Part Number # IGO 220EPFS	[SDS # LP11-09]
Pail	18 liter	8696L-0637	
Drum	209 liter	8696L-0638	
		Part Number # IGO 320EPFS	[SDS # LP11-10]
Pail	18 liter	8696L-0639	
Drum	209 liter	8696L-0640	
		Part Number # IGO 460EPFS	[SDS # LP11-11]
Pail	18 liter	8696L-0641	
Drum	209 liter	8696L-0642	
		Part Number # IGO 680EPFS	[SDS # LP11-12]
Pail	18 liter	8696L-0643	
Drum	209 liter	8696L-0644	
		Part Number # IGO 1000EPFS	[SDS # LP11-13]
Pail	18 liter	8696L-0645	
Drum	209 liter	8696L-0646	

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