



# PRODUCT DATA SHEET

## IGO CKD UNI SERIES

INDUSTRIAL

### Product Description

TOYO LUBE (TL-UNI CKD series) a multipurpose, thermally stable, gear lubricant specially formulated from quality base stocks and advanced additives package to meet the latest specifications for today's industrial gear requirements.

It provides excellent protection against rust and corrosion, wear resistance, oxidation and good thermal stability, in INDUSTRIAL gear applications.

TL-UNI Gear Oil CKD are fortified with extreme pressure additive to provide excellent load carrying ability and extreme pressure properties.

### Product Performance

AGMA 9005-E02 David Brown Types M / A / E

DIN 51517 PART 3 ISO 12925-1 CKC / CKD

U.S. Steel 224

## TYPICAL PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	ISO 46	ISO 68	ISO 100	ISO 150
FLASH POINT °C	ASTM D-93	223	225	230	238
VISCOSITY INDEX	ASTM D-2270	109	101	99	101
POUR POINT °C	ASTM D-97	-19	-15	-13	-12
KINEMATIC VISCOSITY					
40 °C mm <sup>2</sup> /s (cSt)	ASTM D-445	44	66	96	146
100 °C mm <sup>2</sup> /s (cSt)	ASTM D-445	6.8	8.6	11.0	14.8
DENSITY @ 15 °C	ASTM D-4052	0.885	0.889	0.904	0.908
PROPERTY	TEST METHOD	ISO 220	ISO 320	ISO 460	ISO 680
FLASH POINT °C	ASTM D-93	242	248	260	278
VISCOSITY INDEX	ASTM D-2270	93	97	96	92
POUR POINT °C	ASTM D-97	-12	-11	-10	-10
KINEMATIC VISCOSITY					
40 °C mm <sup>2</sup> /s (cSt)	ASTM D-445	217	311	452	685
100 °C mm <sup>2</sup> /s (cSt)	ASTM D-445	18.3	23.9	30.3	38.0
DENSITY @ 15 °C	ASTM D-4052	0.910	0.918	0.921	0.925

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Other Information

### Safety Data Sheet

Safety data sheet can be requested via website [www.toyointernational.com](http://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 46 CKD	[SDS # LP23-03]
Pail	18 liter	8696L-1179	
Drum	209 liter	8696L-1180	
		Part Number # IGO 68 CKD	[SDS # LP23-04]
Pail	18 liter	8696L-1181	
Drum	209 liter	8696L-1182	
		Part Number # IGO 100 CKD	[SDS # LP23-05]
Pail	18 liter	8696L-1183	
Drum	209 liter	8696L-1184	
		Part Number # IGO 150 CKD	[SDS # LP23-06]
Pail	18 liter	8696L-1185	
Drum	209 liter	8696L-1186	
		Part Number # IGO 220 CKD	[SDS # LP23-07]
Pail	18 liter	8696L-1187	
Drum	209 liter	8696L-1188	
		Part Number # IGO 320 CKD	[SDS # LP23-08]
Pail	18 liter	8696L-1189	
Drum	209 liter	8696L-1190	
		Part Number # IGO 460 CKD	[SDS # LP23-09]
Pail	18 liter	8696L-1191	
Drum	209 liter	8696L-1192	
		Part Number # IGO 680 CKD	[SDS # LP23-10]
Pail	18 liter	8696L-1193	
Drum	209 liter	8696L-1194	

Updated 09.03.2022

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