



# INDUSTRIAL GEAR LUBRICANT



## ◆ **QUALITY GEAR LUBRICANT ADDITIVES**

TRC's INDUSTRIAL GEAR LUBRICANT is specially formulated for the lubrication of enclosed industrial gears in controlled or outdoor environments. INDUSTRIAL GEAR LUBRICANT can also be used as a lubricant for slide and way systems, as well as other machine tools in industries such as manufacturing, steel mills, quarries, sand and gravel operations, etc., requiring a general-purpose oil. A staple of TRC high quality lubricants, INDUSTRIAL GEAR LUBRICANT has a variety of additives incorporated into its formula. Additives to protect against rust, corrosion, oxidation, extreme pressure, foam, thermal breakdown, and overall wear are blended together to create a gear lubricant that outperforms, outlasts, and outmuscles conventional industrial gear lubricants.

## ◆ **PROVIDES SUPERIOR PERFORMANCE**

INDUSTRIAL GEAR LUBRICANT takes performance to another level by providing maximum protection, increased oil life, and a cleaner operating system; all contributing to help extend the life of the gears and gearbox. INDUSTRIAL GEAR LUBRICANT can be used in outside, enclosed gearboxes that specify an extreme pressure gear lubricant because of the pour depressant present in the lubricant. With a pour point from -25°F to 0°F, depending upon the weight of the lubricant, INDUSTRIAL GEAR LUBRICANT performs where other lubricants fall short.

## ◆ **PROTECTS AGAINST EXTREME WEAR**

Extreme pressure additives are added in the formulation of INDUSTRIAL GEAR LUBRICANT, to protect the gear teeth (big and small) from unnecessary wear. A sulfur phosphorus chemistry helps the lubricant sustain heavy loads, while preventing metal-to-metal contact. In fact, INDUSTRIAL GEAR LUBRICANT has a Timken OK Load rating of 70 pounds which helps to cut down on heat build-up, wear, down time, and oil changes. INDUSTRIAL GEAR LUBRICANT also contains anti-foam agents that keep the gear lubricant from foaming during operation. Foaming typically occurs when a lubricant runs too hot and can directly result in a decreased oil life and increased deposits.

## ◆ **INCREASED THERMAL STABILITY**

At high temperatures, conventional gear lubricants begin to breakdown. Chemical breakdown of gear lubricants typically leads to increased wear of the gears, as the gear oil is not able to properly coat the gears. TRC's INDUSTRIAL GEAR LUBRICANT is formulated with an additive package that substantially increases the thermal stability of the lubricant. INDUSTRIAL GEAR LUBRICANT provides exceptional component cleanliness under high temperature applications when compared to conventional lubricants. Where many gear lubricants attack copper alloys if the temperature rises over 230°F, INDUSTRIAL GEAR LUBRICANT protects at temperatures up to 330°F in short durations.

# SPECIFICATIONS

## INDUSTRIAL GEAR LUBRICANT

Product Code	108044	108045	108046	108047	108048	108049	108050
ISO Grade	68	100	150	220	320	460	680
AGMA	2 EP	3 EP	4 EP	5 EP	6 EP	7 EP	8 EP
API Gravity	29.3	29.3	27.5	27.5	27.5	25.7	24.0
Specific Gravity (ASTM D-287)	0.88	0.88	0.89	0.89	0.89	0.90	0.91
Flash Point, °F (ASTM D-92)	460	460	460	460	460	460	465
Fire Point, °F (ASTM D-92)	555	555	560	560	560	580	620
Pour Point, °F (ASTM D-97)	-25	-25	-20	-15	-15	-5	0
Viscosity, cSt (ASTM D-445)							
40°C	61.2-74.8	90-110	135-165	198-242	288-352	414-506	612-748
100°C	8.90	11.6	14.8	19.6	23.8	31.3	35.7
Viscosity, SUS (ASTM D-445)							
100°F	315	465	700	1000	1500	2150	3150
210°F	55.4	64.5	77.1	96.8	114.9	148.1	168.3
Viscosity Index (ASTM D-2270)	95 Min	95 Min	95 Min	95 Min	95 Min	95 Min	95 Min
Timken OK Load, lbs., (ASTM D-2782)	70	70	70	70	70	70	70
FZG Gear Test	+12	+12	+12	+12	+12	+12	+12
Four Ball Test, (ASTM D-2783)							
Weld Load, kg	315	315	315	315	315	315	315
Load Wear Index, kg	58	58	58	58	58	58	58
Four Ball Wear Test, (ASTM D-2266)							
Scar Diameter, mm	0.29	0.29	0.29	0.29	0.29	0.29	0.29
Foam Test (ASTM D-892)	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Rust Test, (ASTM D-665)							
Procedure A (Salt Water)	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Procedure B (Distilled Water)	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Copper Strip Corrosion, (ASTM D-130)	1a	1a	1a	1a	1a	1a	1a

Meets and/or exceeds the following specifications and OEM requirements: US Steel 224, AGMA 250.04, AGMA 251.02, AGMA 9005-D94, David Brown ET-19, Cincinnati Machine P-63 (ISO 68), P-76 (ISO 100), P-77 (ISO 150), P-74 (ISO 220), P-59 (ISO 320), P-35 (ISO 460), P-34 (ISO 680), DIN-51517, MIL-L-6086C, MIL-L-46017, API GL-4.

Handling information: For safe handling of the product, read the Safety Data Sheet (SDS).

## TEXAS REFINERY CORP

TEXAS • ONTARIO • SASKATCHEWAN

Toll Free: 1-800-827-0711 • Toll Free Fax: 1-800-582-3329

www.texasrefinery.com • E-mail: lube1@texasrefinery.com

**Made In The U.S.A. Since 1922**

PRINTED IN U.S.A. 3/2017  
L308081