INDUSTRIAL GEAR OIL
ISO 68 - 680 Gear Lubricant

Excellent Thermal Stability

For Heavily Loaded Gears

Non-Foaming Chemistry

Reduces Wear

Extended Service Life

"Industrial Gear Oil has been a staple in our line for decades. In applications where a straight weight gear oil is recommended or required, Industrial Gear Oil provides premium performance in all critical areas. The quality raw materials and precise engineering really shine through in the product."

Heavily loaded gear sets are one of the most common applications our customers encounter. Unfortunately, heavily loaded gear sets are also one of the largest problem areas for users, as traditional gear oils are typically engineered with the minimum in performance enhancing additives.

INDUSTRIAL GEAR OIL was engineered after reviewing common “fail” areas in common gear oils. The result was a highly advanced, robust, long life gear oil that offers maximum protection against wear and load.

By providing premium EP additives, cushioning agents and the ability to crawl and coat gear teeth, INDUSTRIAL GEAR OIL offers maximum surface protection for gear teeth. In addition, IGO is fortified with non-foaming chemistry to help keep temperatures lower, preserve seals, retard the development of varnish and extend the life of the oil itself.

For the workhorse gear applications calling for gear oils from ISO 68 to 680, this is the product.
INDUSTRIAL GEAR OIL

Product Specifications

Meets and exceeds the following specifications and manufacturer requirements: US Steel 224, AGMA 250.04, AGMA 251.02, or 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, GL-2 for worm gear sets unless compounded oils are specified, GL-3 for spiral bevel gears under mild to moderate conditions of speed and load, GL-4 for spiral bevel gears under moderate to severe conditions of speed and load.

Do not use INDUSTRIAL GEAR LUBRICANT in hypoid gear sets, API GL-5, MIL-L-2105 applications found in automotive, trucking, and heavy mobile equipment differentials.

ISO GRADE | 68 | 100 | 150 | 220 | 320 | 460 | 680
---|---|---|---|---|---|---|---
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., COC, ASTM D 92 | 460 | 460 | 460 | 460 | 460 | 460 | 465
FIRE POINT, °F., COC, ASTM D 92 | 555 | 555 | 560 | 560 | 560 | 580 | 620
POUR POINT, °F., ASTM D 97 | -25 | 10 | 15 | 15 | 15 | 15
VISCOSITY, SUS @ 100° F., Typical ASTM D 445 | 315 | 465 | 700 | 1000 | 1500 | 2150 | 3150
VISCOSITY, SUS @ 210° F., Typical ASTM D 445 | 55.4 | 64.5 | 77.1 | 96.8 | 114.9 | 148.1 | 168.3
VISCOSITY, CsT @ 40° C., ASTM D 445 | 61.2-74.8 | 90-110 | 135-165 | 198-242 | 288-352 | 414-506 | 612-748
VISCOSITY, CsT @ 100° C., Typical | 8.90 | 11.6 | 14.8 | 19.6 | 23.8 | 31.3 | 35.7
VISCOSITY INDEX | 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
FZG GEAR TEST | +12 | +12 | +12 | +12 | +12 | +12
FOUR BALL TEST, ASTM D 2783 | Weld Load, Kg | 315 | 315 | 315 | 315 | 315 | 315
Load Wear Index, Kg | 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
Foam Test, ASTM D 892 | Pass | Pass | Pass | Pass | Pass | Pass | Pass
Procedure B (Distilled Water) | Pass | Pass | Pass | Pass | Pass | Pass
COPPER STRIP CORROSION, 3 Hrs., ASTM D 130 | 1a | 1a | 1a | 1a | 1a | 1a | 1a

Sharing lubricant knowledge and delivering the highest quality products, two things we promise our customers. The difference will change how you view, purchase and utilize greases and oils from here forward.

Family owned and operated since 1926.