



**MAXIGEAR IGL
and MOLY MAXIGEAR IGL**

TECHNICAL DATA

DESCRIPTION:

MAXIGEAR IGL is made from the highest quality paraffinic, high VI, hydrocracked base oils. A variety of state-of-the-art additives are incorporated including:

- Anti-rust
- Anti-corrosion
- Anti-oxidation
- Extreme pressure (EP) (protect gear teeth from wear)
- Extra anti-foam agents (prevents foaming during operation, which causes extensive damage to gear shifts)

The sulfur-phosphorous chemistry can carry big loads while preventing metal-to-metal contact. This also helps to cut down heat build-up, wear, down time and how often lubricants must be changed during operation.

These state-of-the-art additives increase lubricant thermal stability (ability to resist chemical breakdown in high temperatures) and greatly improve component cleanliness under high temperature applications. While most gear lubricants attack copper/brass alloys at temperatures above 230⁰F, **MAXIGEAR IGL** provides uncommon protection at temperatures up to 350⁰F for short durations.

MAXIGEAR IGL passes a full, 60-pound Timken OK Load Test, which is much higher than commercial products that normally pass only a 25 to 30-pound test. **MAXIGEAR IGL** surpasses other gear lubricants in several other areas including:

- Thermal stability
- Component cleanliness
- Superior corrosion protection for copper alloys
- Greater gear surface spalling resistance
- Excellent oil seal compatibility



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ADMAX Performance Lubricants – A leader in lubricant technology

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MAXIGEAR IGL meets and exceeds the following specifications and manufacturer's requirements:

- | | |
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| <ul style="list-style-type: none">• US Steel 224• AGMA 250.04 and 251.02• David Brown ET-19• Cincinnati Milacron P-47, P-50, P-74, P-76 and P-77• DIN-51517• MIL-L-6086C and MIL-L-46017 | <ul style="list-style-type: none">• GL2 for worm gear sets, unless compounded oils are specified• GL3 for spiral-beveled gears under mild to moderate conditions of speed and load• GL4 for spiral-beveled gears under moderate to severe conditions of speed and load. |
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MAXIGEAR IGL gear lubricants are also available with Molybdenum Disulfide (MoS_2) for extra EP and wear protection.

NOTE: Do not use **MAXIGEAR IGL** in hypoid gear sets API GL5 or MIL-L-2105 applications found in automotive, trucking and heavy mobile equipment differentials.

USES:

- Enclosed industrial gears requiring US Steel 224, American Gear Manufacturers Association (AGMA) 250.04 and 251.02 type
- Slides and way systems
- Machine tools requiring general purpose oils.



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Specifications:

ITEM	ASTM ⁽¹⁾	AD110 AD116	AD111 AD117	AD112 AD118	AD113 AD119	AD114 AD120	AD115 AD121
Color	N/A	Red					
ISO Grade	N/A	68	150	220	320	460	680
AGMA ⁽²⁾ Grade	N/A	2EP	4EP	5EP	6EP	7EP	8EP
Timken OK Load, Pounds	D- 2782	60					
Viscosity Index	D- 2270	95					
Viscosity:							
SUS @ 100°F	D-2161	353	788	1,166	1,707	2,478	3,691
SUS @ 210°F	D-2161	54.9	74.4	8.2	108.6	134.4	165.8
Four Ball:							
LWI ⁽³⁾	D-2783	42	42	42	43	46	48
Weld	D-2783	250					
Scar	D-2266	.3					
Pour Point (°F)	D-97	-5	-5	0	5	15	20
Flash Point (°F)	D-92	400	410	415	450	460	460
FGZ Test	N/A	11+					
Rust Test	D-655	Pass					
Copper Corrosion	D-130	1					

(1) American Society for Testing and Materials (ASTM)

(2) American Gear Manufacturers Association (AGMA)

(3) Load Wear Index (LWI)



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