

**All Gear Industrial**  
**Multi-Purpose Industrial Gear Lube**  
No. 210

ISO 68 to 680

**DESCRIPTION:**

**All Gear Industrial** is an industrial gear lubricant specially formulated from high viscosity index, hydroprocessed, group II base oils, Frontier Lubricant's exclusive MTX friction reducer additive package and the most advanced thermally stable additive system on the market today. **All Gear Industrial** provides exceptional performance in high-temperature applications, performance far beyond that required by industry and OEM specifications. This unique formulation keeps critical parts cleaner because it prevents sludge and deposits, even under sustained high-temperature operation. This extends service life by preventing the formation of deposits that can cause premature seal and bearing failure.

**COMPOSITION:**

Anti-foam Additives  
Oxidation Inhibitors  
Anti-Wear Additives  
Corrosion Inhibitors

Demulsibility Additive  
Pour Point Depressants  
Extreme Pressure Additives  
Hydroprocessed, Group II Base Oil

Oiliness Additives  
Cohesive Additives  
Adhesive Additives  
Rust Inhibitors

**USES:**

Transmissions  
Hypoid Gears  
Spur Gears  
Wheel Bearings  
Differentials  
Angular Gears

Worm Gears  
Spiral-Bevel Gears  
Speed Reducers  
Final Drives  
Industrial Gears  
Straight Bevel Gears

Helical Gears  
Power Drivers  
Planetary Axles  
Coniflex Straight  
Bevel Gears  
Ring Gears

**PERFORMANCE CAPABILITIES:**

**All Gear Industrial** meets and exceeds the rugged requirements of:

U. S. Steel 224  
Cincinnati Machine  
P-63 (ISO68)  
P-76 (ISO 100)  
P-77 (ISO 150)  
P-74 (ISO 220)  
P-59 (ISO 320)  
P-35 (ISO460)

AGMA 9005  
Bijur oilers  
General Motors LS2  
API Service GL-4

**TYPICAL SPECIFICATIONS:**

| <b>ISO Grade</b>                 | <b>68</b> | <b>100</b> | <b>150</b> | <b>220</b> | <b>320</b> | <b>460</b> | <b>680</b> |
|----------------------------------|-----------|------------|------------|------------|------------|------------|------------|
| API Service Designation          | GL4       | GL4        | GL4        | GL4        | GL4        | GL4        | GL4        |
| AGMA Grade                       | 2EP       | 3EP        | 4EP        | 5EP        | 6EP        | 7EP        | 8EP        |
| Timken Load Test, lb.:           | 70        | 70         | 70         | 70         | 70         | 70         | 70         |
| Viscosity @ 100°C, cSt:          | 8.7       | 11.2       | 14.4       | 18.9       | 23.1       | 29.3       | 39.8       |
| Viscosity @ 40°C, cSt:           | 64.4      | 95         | 141        | 207        | 300        | 435        | 642        |
| Viscosity Index                  | 104       | 104        | 104        | 106        | 106        | 105        | 102        |
| Flash Point, COC, °F:            | 446       | 446        | 456        | 478        | 480        | 480        | 500        |
| Pour Point, °F:                  | -25       | -25        | -20        | -5         | +10        | +10        | +15        |
| Corrosion, 3 hrs @ 212°F:        | Pass      | Pass       | Pass       | Pass       | Pass       | Pass       | Pass       |
| Thermal Oxidation Stability Test | Pass      | Pass       | Pass       | Pass       | Pass       | Pass       | Pass       |
| Adhesive/Cohesive Additive       | Yes       | Yes        | Yes        | Yes        | Yes        | Yes        | Yes        |
| Oxidation Inhibited              | Yes       | Yes        | Yes        | Yes        | Yes        | Yes        | Yes        |
| FZG Pass Stage, ASTM D-5182      | 12        | 12         | 12         | 12         | 12         | 12         | 12         |

Values shown here are typical, and may vary.