

## OMNILUBE® PGG 220, 320, & 460 FG FOOD GRADE SYNTHETIC LUBRICANTS

### Application:

Omnilube PGG 220, 320 & 460 FG are high-temperature gear lubricants formulated from premium polyalkylene glycol (PAG)-based oils. These NSF approved H-1 severe load gear oils are engineered to provide significantly improved wear, oxidation and lubricity over currently available H-1 food grade PAO and mineral-based gear oils. These premium severe load gear lubricants are designed for use in enclosed gears, bearings, and where conditions demand the unique properties of these fluids. They may also be used in gas compression applications utilizing reciprocation, rotary screw, and centrifugal type compressors in operating conditions beyond the capabilities of other synthetic lubricants and mineral oils.

### Typical Industrial Applications:

- Enclosed gear units: spur helical, bevel, and worm gears
- Plain and rolling contact bearings
- Compressors
- Chains
- Egg processing equipment
- Food processing (H-1)

### Performance Benefits:

- Excellent oxidative and thermal stability
- Reduced sludge and deposit formation
- High flash point
- Wide operating temperature range
- Reduce friction
- Good wear protection
- Complies with FDA 21 CFR 178.3570 H-1

| TYPICAL PROPERTIES    | TEST METHOD | Omnilube PGG 220 FG | Omnilube PGG 320 FG | Omnilube PGG 460 FG |
|-----------------------|-------------|---------------------|---------------------|---------------------|
| Viscosity @ 40°C,cSt  | ASTM D445   | 220                 | 320                 | 460                 |
| Viscosity @ 100°C,cSt | ASTM D445   | 36.8                | 53.8                | 77.3                |
| Viscosity Index       | ASTM D2270  | 218                 | 233                 | 248                 |
| Flash Point, °C/°F    | ASTM D92    | 284/544             | 284/544             | 290/554             |
| Pour Point, °C/°F     | ASTM D97    | -40/-40             | -40/-40             | -33/-36             |
| Specific Gravity      | ASTM D1298  | 1.05                | 1.05                | 1.06                |

**Caution: Not compatible with petroleum oils and synthetic hydrocarbons**

#### HEALTH & SAFETY

To obtain an MSDS on this or any other Ultrachem product, please contact your representative.

#### TECHNICAL SUPPORT

To learn more about Ultrachem products and applications please contact us at [info@ultracheminc.com](mailto:info@ultracheminc.com)



9/11  
900 Centerpoint Blvd.  
New Castle, DE 19720  
P.....302-325-9880  
F.....302-325-0335  
[info@ultracheminc.com](mailto:info@ultracheminc.com)