



## OMNILUBE® FGC 5220 & 5220 AW

PREMIUM SYNTHETIC FOOD GRADE CHAIN LUBRICANTS

### APPLICATION:

**Omnilube® FGC 5220** is a full-synthetic, premium chain lubricant designed for extreme high-temperature applications, especially when H-1 lubricants are required for incidental contact. Formulated from pure-synthetic, food grade polyolester base stocks, Omnilube FGC 5220 provides excellent thermo-oxidative stability, excellent anti-wear protection, and a reduction of deposits and coking over hydrocarbon or PAO-based lubricants. The proprietary formulation of Omnilube FGC 5220 also provides low volatility, low smoking, and operability over a wide temperature range.

For the most extreme high temperature applications, **Omnilube FGC 5220 AW\*** should be utilized which includes a Boron-containing, thermally-stable, wear protection additive.

### TYPICAL INDUSTRIAL APPLICATIONS:

- High-Temperature Oven Chains for Food Processing

### PERFORMANCE BENEFITS:

- Excellent oxidative and thermal stability
- Reduced sludge and deposit formation
- Reduced energy costs from ester formulation
- Good water and rust resistance
- High flash point
- Complies with FDA 21 CFR 178.3570 H-1 for incidental contact

| TYPICAL PROPERTIES                               | TEST METHOD | Omnilube FGC 5220 | Omnilube FGC 5220 AW |
|--|-------------|-------------------|----------------------|
| Viscosity @ 40°C,cSt                             | ASTM D445   | 221               | 224                  |
| Viscosity @ 100°C,cSt                            | ASTM D445   | 19.5              | 19.8                 |
| Viscosity Index                                  | ASTM D2270  | 100               | 101                  |
| Flash Point, °C                                  | ASTM D92    | >300              | >300                 |
| Pour Point, °C                                   | ASTM D97    | -35               | -23                  |
| Specific Gravity                                 | ASTM D4052  | 0.98 – 1.0        | 0.99 – 1.0           |
| Four Ball Wear, mm                               | ASTM D4172  | 0.28              | 0.28                 |
| Evap. Loss (22 hrs @ 225°F)                      | ASTM D972   | 0.000             | 0.000                |
| Four Ball Wear<br>40 kg, 500 rpm, 1 hr. @ 200°C  | ASTM D4172  | 0.42 mm           | 0.42 mm              |
| Four Ball Wear<br>40 kg, 1200 rpm, 1 hr. @ 200°C | ASTM D4172  | 0.49 mm           | 0.49 mm              |
| Evaporation Loss, 6.5 hrs. @204°C                | ASTM D2595  | 1.32%             | 1.32%                |
| Evaporation Loss, 24 hrs. @204°C                 | ASTM D2595  | 2.04%             | 2.04%                |

\*Omnilube FGC 5220 AW: Containers should be mixed before opening or using

### HEALTH & SAFETY

To obtain an SDS 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)



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