



OMNILUBE® FGC 5000 SERIES

PREMIUM SYNTHETIC FOOD GRADE CHAIN LUBRICANTS

APPLICATION:

The **Omnilube® FGC 5000** series is a full-synthetic, premium chain lubricant range 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 5000 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 5000 also provides low volatility, low smoking, and excellent performance over a wide temperature range.

For the most extreme, high temperature applications, **Omnilube FGC 5068 AW & 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 5068	Omnilube FGC 5220
Viscosity @ 40°C,cSt	ASTM D445	68	221
Viscosity @ 100°C,cSt	ASTM D445	9.7	19.5
Viscosity Index	ASTM D2270	115	100
Flash Point, °C	ASTM D92	>280	>300
Pour Point, °C	ASTM D97	<-30	-35
Specific Gravity	ASTM D4052	0.98 – 1.0	0.98 – 1.0
Four Ball Wear, mm	ASTM D4172	0.43	0.42
Evap. Loss (22 hrs @ 225°F)	ASTM D972	0.000	0.000
Four Ball Wear 40 kg, 500 rpm, 1 hr. @ 200°C	ASTM D4172	0.42 mm	0.42 mm
Four Ball Wear 40 kg, 1200 rpm, 1 hr. @ 200°C	ASTM D4172	---	0.49 mm
Evaporation Loss, 6.5 hrs. @204°C	ASTM D2595	---	1.32%
Evaporation Loss, 24 hrs. @204°C	ASTM D2595	---	2.04%

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



900 Centerpoint Blvd.
New Castle, DE 19720
P.....302-325-9880
F.....302-325-0335
info@ultracheminc.com