

PRODUCT DATA SHEET



VHT-CL Food Grade 220

FG
FOOD GRADE

Synthetic Oven Chain Lubricant

A premium, full synthetic, high temperature oven chain lubricant formulated from the highest quality food grade polyolester (POE) base stock, combined with additives carefully selected for their superior performance characteristics, including:

- *high flash point*
- *low smoke*
- *extremely low evaporation loss*
- *excellent anti-wear characteristics*
- *thermo-oxidative stability*
- *resistance to deposit formation*
- *suitability for use in automated lubrication systems*

These characteristics make it ideal for use in bakeries and other food production applications including:

- *conveyorized / continuous ovens*
- *tray ovens*
- *tunnel ovens*
- *spiral ovens*

VHT-CL Food Grade 220 is NSF Registered and H1 designated, meeting FDA 21 CFR 178.3570 for use in applications where incidental contact with food is possible.



| Properties / Characteristics | VHT-CL Food Grade 220 |
|-------------------------------------------------------------------------------------------------|-----------------------|
| ISO Grade | 220 |
| Viscosity @ 40°C, cSt @ 100°C, cSt | 221 19.5 |
| Viscosity Index | 100 |
| Specific Gravity | 0.99 |
| Flash Point, °F (°C) | 590 (310) |
| Fire Point, °F (°C) | 665 (353) |
| Pour Point, °F (°C) | -26 (-32) |
| Four Ball Wear Scar Test, 40 Kg, 600 RPM @ 200°C (400°F), 1 Hr. Average Wear Scar Diameter, mm | 0.42 |
| Four Ball Wear Scar Test, 40 Kg, 1200 RPM @ 200°C (400°F), 1 Hr. Average Wear Scar Diameter, mm | 0.49 |
| RPVOT, min (150°C) | 1365 |
| Evaporation Loss, 6.5 Hrs @ 204°C (400°F) | 1.32% |
| Evaporation Loss, 24 Hours | 2.04% |
| Appearance | Light Amber Liquid |
| Odor | Mild |
| NSF Registration (#153350) | H1 |