



TECHNICAL DATA

3/20 Rev. 3

CC-2208 FG

FOOD GRADE CARBON CLEAN OVEN CHAIN CLEANER & FLUSHING OIL HX-1

CC-2208 FG Food Grade Carbon Clean is compatible with FOODSAFE PETRO-GARD® FG-220, HT-2000™, or PETRO-GARD®220 High Temperature Oven Chain Lubricants and is intended as a labor saving product for softening and dissolving carbon residues on oven chains and all moving metal parts. NSF HX-1 Registered.

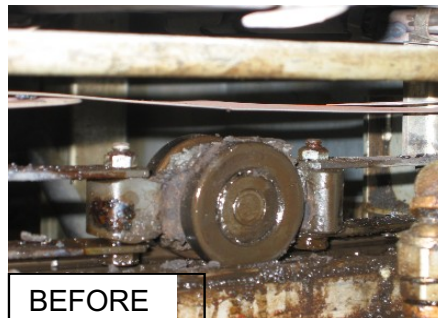
Carbon Clean FG is part of Petrochem's Total Preventative Maintenance Program. This program consists of using FOODSAFE PETRO-GARD® FG-220, HT-2000™, or PETRO-GARD®220 Oven Chain Lubricants, Carbon Clean CC-2208FG and OEM's or Petrochem's air blast station to optimize lubrication intervals, to keep the chain and track exceptionally clean and to prevent metal wear.

Using **CC-2208 FG** Carbon Clean eliminates the need for disassembling the chain for cleaning. 10% Concentration of this cleaner can also be added to existing lubricant while the equipment is running.

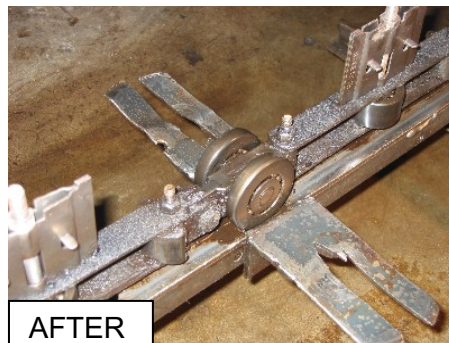
Carbon Clean FG is a lubricant cleaner used to help soften and dissolve carbon build up on all roller ball bearing chains, pin/roller chains, tortilla chains, slides and gears that require cleaning. If converting from graphite to synthetic lubricant, carbon clean can be used to soften graphite carbon build on chains.



Carbon Debris Removed before converting to HT-2000™ by using CC-2208 FG Carbon Clean



BEFORE



AFTER

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Member of the American Baking Society

PHYSICAL PROPERTIES:

Property	Test Method	Typical Specification
SAE Grade	ASTM D 445	10
ISO GRADE	ASTM D 445	32
Viscosity @ 40°C, cSt	ASTM D 445	31 cSt
Viscosity @ 100°C, cSt (212°F)	ASTM D 445	6 cSt
Flash Point, C°(F°)	ASTM D 92	(264) 507
Pour Point	ASTM D2270	(-43) -45
Viscosity Index	ASTM D2270	145
Density, lbs./gal	QL 4099	7.9
Appearance	QL 4099	Bright & Clear Liquid
Odor	QL 4099	Mild Odor

INSTRUCTIONS:

I. Converting to Petrochem’s FOODSAFE PETRO-GARD FG-220 HT-2000™ or PETRO-GARD®220 Oven Chain Lubricants:

1. Begin cleaning process with our CC-2208 FG CARBON CLEANER which can be applied through the automatic oil applicator or sprayed on for several revolutions. If you do not want to run cleaner through applicator, you may use a spray nozzle gun such as **GuardAir Syphon Spray Gun Model #79SG012** (Grainger P/N #1RF86). Refer to application report.
2. After using cleaner, air blast the chain several revolutions with protective covering to contain debris.
3. If you have an open area workstation, you may use an air grinder tool on the vertical rollers. Use a large screw drive to remove additional carbon debris between the vertical rollers and on top/bottom of horizontal rollers.
4. Plow the track with wire brush attachment and scraper several revolutions to remove dissolved and softened carbon debris fallen into track.
5. **Run oven an additional 3 hours at (205°C) 400°F** to ensure cleaner is completely evaporated from chain.
6. When cleaning is completed, convert to PETROCHEM lubricant and maintain normal lubrication cycles. The roller ball bearings and chain will take on a black shiny look when completely annealed with lubricant.
7. Try to Air Blast the Chain several times during the week to keep removing debris or on the next down maintenance day.

II. Preventative Maintenance Cleaning:

Petrochem suggest that the chain and track be cleaned at least once a month to maintain optimal performance and keep the chain extra clean by the following procedures.

1. Remove FOODSAFE PETRO-GARD® FG-220, HT-2000™, or PETRO-GARD®220 from reservoir and add CC-2208 FG Carbon Clean to reservoir ½ full
2. Apply cleaner several revolutions until the cleaner is gone (approximately 3 to 4 revolutions).
3. Air Blast the chain several revolutions
4. Plow the track with scraper
5. Run oven an additional 3 hours at 205°C) 400° F to ensure cleaner is evaporated from chain; then resume to operating temperatures.

III. General OEM Daily Inspections for the applicator and chain:

1. Make certain the nozzles are not clogged, correctly positioned and have the correct pressure setting for injecting oil.
2. Check if the oil is hitting the correct target points on the chain at the various bake times (on both sides of the chain).
3. Visually inspect the chain and monitor amperage draw and lubrication cycles.
4. If schedules permit, air blast the chain and plow the track on all down days.

III. Special Notes After Cleaning process:

1. Throughout the following week, the carbon debris will continue to loosen up and soften.
2. Air blow the chain thoroughly and Run the scraper next maintenance schedule.
3. The Amperage on the oven chain may fluctuate up and down during cleaning process and the following week; because, the carbon turns to a sludge during the "softening process".
4. After the stages of cleaning, the lubrication points on the chain will be exposed to lubricate the rollers and pin area freely.
5. Amperage will be improved when cleaning process is completed.

HANDLING PRACTICES:

For information on the safe handling and use of this product, refer to the Safety Data Sheet. For more information and availability, call (630) 513-6350.

SUPPLEMENT DOCUMENTS:

FOODSAFE PETRO-GARD® FG-220
HT-2000™ Technical Data Sheet
PETRO-GARD® 220
Technical Bulletin Air Blast Station
Application Report CC-2208 Carbon Clean