

CC-2208 FG



FOOD GRADE CARBON CLEAN OVEN CHAIN CLEANER AND FLUSHING OIL NSF H1

CC-2208 FG is a Synthetic Food Grade Chain Cleaner and Flushing Oil designed to remove varnish, sludge, and carbon build-up deposits from oven chains. It may also be used as a step for flushing chains when transitioning from a non-food grade or competitor lubricant to Petrochem's.

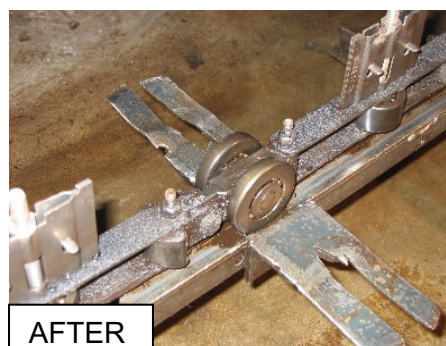
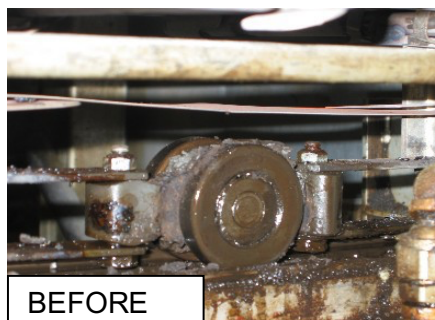
CC-2208 FG Carbon Clean is a labor-savings lubricant-cleaner that eliminates the need for disassembling the chain for cleaning. Carbon clean helps soften, and dissolve carbon build up on all roller ball bearing chains, pin/roller chains, tortilla chains, slides, gears, and all moving parts that require cleaning. If converting from graphite to synthetic lubricant, carbon clean can also be used to soften graphite carbon build on chains.

CC-2208 FG Food Grade Carbon Clean and Flushing Oil is compatible with Petrochem's Oven Chain Lubricants: FOODSAFE PETRO-GARD® FG-220, HT-2000, or PETRO-GARD®220. 10% Concentration of this cleaner can also be added to existing lubricant in reservoir while the equipment is running to boost cleaning properties.

CC-2208 FG is part of Petrochem's Total Preventative Maintenance Program. The program consists of using Petrochem's High Temperature Oven Chain Lubricants, Carbon Clean CC-2208 FG XL Cleaner and the OEM's air blower station. This program will optimize lubrication intervals, keep the chain, and track exceptionally clean and prevent metal wear.



Carbon Debris removed before converting from Competitor's lubricant to Petrochem's by using CC-2208 FG Carbon Clean



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PHYSICAL PROPERTIES:

Property	Test Method	Typical Specification
SAE Grade	ASTM D445	15
ISO GRADE	ASTM D445	32/46
Viscosity @ 40°C, cSt	ASTM D445	40 cSt
Viscosity @ 100°C, cSt (212°F)	ASTM D445	8 cSt
Viscosity Index	ASTM D2270	135
Flash Point, C°(F°)	ASTM D92	(270) 518
Pour Point	ASTM D2270	(-3-) -22
Specific Gravity	ASTM D1298	0.95
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 by applying **CC-2208 FG CARBON CLEANER** to the oven chains. It can be applied through the automatic oil applicator or sprayed on for several revolutions by using a spray nozzle gun such as **Guard Air Syphon Spray Gun Model #79SG012** (Grainger P/N #1RF86). Refer to application report.
2. Run oven around 3 hours at **(205°C) 400°F** to active CC2208 FGXL Cleaner to dissolve the carbon residue on the chain or flush the chain. Heat is required to work effectively.
3. After using cleaner, air blast the chain several revolutions with protective covering to contain debris.
4. 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.
5. Plow the track with wire brush attachment and scraper several revolutions to remove dissolved and softened carbon debris fallen into track.
6. After 3 hours, run the oven an additional ½ hour at **(205°C) 400°F** to evaporate remaining cleaner. It is alright if there is remaining cleaner on the chain; it is compatible with Petrochem's Oven Chain Lubricants.
7. When cleaning is completed, convert to PETROCHEM oven chain lubricant, and maintain normal lubrication cycles. The roller ball bearings and chain will take on a black shiny look when completely annealed with lubricant.
8. Air Blast the Chain and plow the track next maintenance schedule since remaining debris may fall in the track from this cleaning process.

II. Preventative Maintenance Cleaning:

Petrochem recommends that the chain and track be cleaned quarterly 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 or spray on chain.
2. Apply cleaner several revolutions until the cleaner is gone (approximately 3 to 4 revolutions).
3. Run the oven around 3 hours at (205°C) 400°F to active CC2208 FGXL Cleaner
4. After 3 hours, Air Blast the chain several revolutions
5. Plow the track with scraper
6. Run oven an additional ½ hour 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:

Technical Data Sheets: FOODSAFE PETRO-GARD® FG-220, HT-2000™ and PETRO-GARD® 220
Technical Bulletin Air Blast Station
Application Report CC-2208 Carbon Cleaner