

## CC-2208 CARBON CLEAN

### CLEANER LUBRICANT FOR CONVEYOR ROLLER BALL BEARING & PIN ROLLER CHAINS

**DESCRIPTION: ISO 32 Proprietary Synthetic Ester Cleaner Compatible with High Temp Oven Chain Lubricants**

Carbon Clean 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-2208 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.

The primary benefit of CC-2208 Carbon Clean is its ability to soften, loosen and dissolve carbon residues on chains and all metal moving parts.

#### 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	32 cSt
Viscosity @ 100°C, cSt (212°F)	ASTM D 445	5.23 cSt
Flash Point, C°(F°)	ASTM D 92	(249) 480
Pour Point	ASTM D2270	(-18) 0
Viscosity Index	ASTM D2270	95
Density, lbs./gal	QL 4099	8.1
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 Lubricant:

1. First clean with our CC-2208 CARBON CLEAN lubricant which can be applied through the automatic oil applicator for several revolutions. Refer to the CC-2208 Technical Data Sheet and Bulletin for complete application and cleaning procedures.
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.

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5. Run oven an additional 3 hours at 300° F to ensure cleaner is completely evaporated from chain.
6. When cleaning is completed, convert to Petrochem's lubricant and maintain normal lubrication cycles. The roller ball bearings and chain will take on a black shiny look when completely annealed with HT-2000™ or Petro-Gard® 220.
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 lubricant from reservoir and add CC-2208 Carbon Clean to reservoir ½ full
2. Apply cleaner several revolutions until the cleaner is gone (approximately 3 to 4 revolutions).
3. Bake on the oven at 250°F for 2 hours.
4. Air Blast the chain several revolutions
5. Plow the track with scraper
6. Run oven an additional 3 hours at 300°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.

## IV. 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.

## See other supplements:

FOODSAFE Petro-Gard FG-220  
HT-2000™ Technical Data Sheet  
Petro-Gard® 220  
Technical Bulletin Air Blast Station  
CC-2208 Carbon Clean Technical Data Sheet