

FLUID PERFORMANCE TEST

Fluid Test Report No.: FT-0019

Lubricant Name: HT2000-SYN OVEN CHAIN LUBE

Manufacturer: PETROCHEM, INC.

Customer: SIG

Application: BAKE OVEN

Contact Name: Austin Kozman

Contact Phone: (972) 509-8641

Date: 6/13/2003

Test Date: 6/12/2003

Nozzle used: RMN-IL-NC-00

Item #: 570-85949-0000

Injector size: 1/2 Drop
 1 Drop
 2 Drops

Injector configuration:
Cycle Time: 1.2 SEC
Dwell Time: 0.5
Delay Time: 0.7

Tubing Length (Ft.): 4-FT NYLON
2-FT STAINLESS

Regulator Pressure (PSI): 5-10 psi

Test Temperature
Ambient
Heated

Temperature (deg. F): 200-400 Deg.

Test Objective: To determine spray pattern & coverage when heated

Nozzle Gap Size (In.): N/A

Nozzle Orifice Size (In.): 0.046

Spray Distance (In.): 1-1/2"

Spray Width Achieved: 1/4"

Spray Quality

	<u>None</u>	<u>Low</u>	<u>Medium</u>	<u>High</u>
Pulse	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Spits	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Splatters	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Atomizes	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overspray	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

TEST NOTES

Two Feet of 1/8" Stainless steel tubing was connected to a remote Nozzle tip & placed in our test oven with the spray outlet (Remote Tip) spraying into a metal container inside the oven. No fogging was seen until Nozzle air Pressure Exceeded 25 Psig. Best results were @ 5-10 Psig. Fluid was also tested at 400 Deg. F. at this temp. air pressure could not exceed 5 Psig. Without fogging. (spray pattern remained very good) Note: as soon as oven door was opened & Ambient air was introduced (ORSCO system not on) Fog would rise out of oven, as long as no air other than the heated air in oven was present fogging could be controlled with Nozzle Air Adj.

Tested By: Mark Aupperle

Sales: _____

Engineering: Steve Gorski