

**FLUID PERFORMANCE TEST**

Fluid Test Report No.: FT-0048

Lubricant Name: PGBN-3

Manufacturer: U.S. Industrial Lubricants/ Oil Kraft

Customer: Johns Manville

Application: OVEN CHAIN

Contact Name: Earl Utz/Jerry Enyeart

Contact Phone: (800)-246-7689

Date: 7/25/2004

Test Date: \_\_\_\_\_

Nozzle used: RMN-IL-NC-00

Item #: 570-85949-0000

Injector size:            1/2 Drop   
                                  1 Drop       
                                  2 Drops  

Injector configuration:  
Cycle Time: \_\_\_\_\_  
Dwell Time:     0.5  
Delay Time:     \_\_\_\_\_

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

Regulator Pressure (PSI): 5-10 psi

Test Temperature  
Ambient   
Heated

Temperature (deg. F): 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: 3/16"-1/4"

**Spray Quality**

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

**TEST NOTES**

Three 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 10 Psig. Best results were @ 5-10 Psig. Spray pattern remained very good. This fluid maintained a watery state when sprayed onto a metal surface in the oven.  
Note: Settling of the fluid was noted after 5 days of cycling. ( lower half of reservoir was black upper half was yellow).

Tested By: \_\_\_\_\_

Sales: \_\_\_\_\_

Engineering: Steve Gorski