

**FLUID PERFORMANCE TEST**

Fluid Test Report No.: FT-0037

Lubricant Name: 2800 ALMASOL SEVERE DUTY

Manufacturer: LUBRICATION ENGINEERS

Customer: PMT

Application: OVEN CHAIN

Contact Name: JERRY ENYEART

Contact Phone: (800)-246-7689

Date: 1/16/2004

Test Date: 1/14/2004

Nozzle used: RMN-IL-NC-00

Item #: 570-85949-0000

Injector size:            1/2 Drop   
                                  1 Drop   
                                  2 Drops

Injector configuration:  
Cycle Time: 2.5 Sec.  
Dwell Time: 0.5  
Delay Time: 2

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

Regulator Pressure (PSI): 4-10 psi

Test Temperature  
Ambient   
Heated

Temperature (deg. F): 450 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 checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overspray	<input type="checkbox"/>	<input checked="" 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 8 Psig. Best results were @ 4 Psig. Spray pattern remained very good. This fluid maintained a watery state when sprayed onto a metal surface in the oven.  
Note: This fluid was slow to Bleed Through the Inj. Stack Assy. Although once bled no Problem was seen with the ORSCO system.

Tested By: Mark Aupperle

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

Engineering: Steve Gorski