

FLUID PERFORMANCE TEST

Fluid Test Report No.: FT-0013

Lubricant Name: Uniflor 8620 (03-00133)

Manufacturer: NYE LUBRICANTS, INC.

Customer: SIG

Application: BAKE OVEN

Contact Name: Austin Kozman

Contact Phone: (972) 509-8641

Date: 4/14/2003

Test Date: 4/14/2003

Nozzle used: RMN-IL-NC-00

Item #: 570-85949-0000

Injector size: 1/2 Drop
 1 Drop
 2 Drops

Injector configuration:
Cycle Time: 1.6 SEC
Dwell Time: 0.6
Delay Time: 0.1

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

Regulator Pressure (PSI): 35

Test Temperature
Ambient
Heated

Temperature (deg. F): 120 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" - 2"

Spray Width Achieved: 1/4" - 3/8"

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 type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Splatters | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Atomizes | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" 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) exiting one side of the oven & The Nozzle body was attached to an opening at the top of the oven, exposing only the 1/8" tubing & nozzle tip to the heat (120 Deg. F.). The Maximum Temp that could be Obtained was 120 Deg. F. @ this Temp. Fogging was noticeable (a Cloud was produced & rose into the air). For Spray Quality See Notes above.

Tested By: Mark Aupperle

Sales: _____

Engineering: Steve Gorski