FLUID PERFORMANCE TEST

Fluid Test Report No.: FT-0007

Lubricant Name Food Grade High Temp. Chain Oil ISO 15 **Manufacturer:** Schaeffer Mfg. Co.

Customer: Schaeffer Mfg. **Application:** Oven Chain

Contact Name: Jay Shields **Contact Phone:** (800) 325-9962

Date: 2/12/2003 **Test Date:** 2/5/2003

Nozzle used: Remote Nozzle Assy. **Item # :** 570-85656-0000

Injector size:

- 1/2 Drop ☐
- 1 Drop ☐
- 2 Drop ■

Injector configuration:

- Cycle Time: 2 sec.
- Dwell Time: 1 sec.
- Delay Time: 1 sec.

Tubing Length (Ft.): 3-FT

Regulator Pressure (PSI): 3-8 psig.

Test Temperature

- Ambient ■
- Heated ■

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

Test Objective: To determine the effect of spraying this fluid heated (400 Deg. F.)

Nozzle Gap Size (In.): N/A

Nozzle Orifice Size (In.): .046 Dia.

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

Spray Width Achieved: ?

Spray Quality

	None	Low	Medium	High
Pulse	☐	■	☐	☐
Spits	☐	■	☐	☐
Splatters	☐	■	☐	☐
Atomizes	☐	☐	☐	■
Overspray	☐	☐	☐	☐

TEST NOTES

The Fluid test was performed with a Convection oven Heated to 400 Deg. F., the Nozzle body was mounted externally & three feet of 1/8" SS. Tubing was coupled between the nozzle outlet & nozzle tip (Remote style). A winding pattern was made with the steel tubing inside the oven, & the nozzle tip was vented to the outside of the oven .

In conclusion this fluid at these temperatures would vaporize very fast, a steam was produced that would rise into the air, varying of the nozzle air pressure made no visible change to the amount of vapors. With a piece of cardboard very close to the nozzle tip (1" away) this fluid did collect and appeared to maintain its lubrication property.

Tested By: _____ **Sales:** _____

Engineering: Steve Gorski