

FLUID PERFORMANCE TEST

Fluid Test Report No.: FT-0004

Lubricant Name: ECOFORM SV026Hf

Manufacturer: Fuchs Lubricants Co.

Customer: _____

Application: Metal Stamping/Forming

Contact Name: Joe Van Thuyne

Contact Phone: (215) 968-5127

Date: 1/17/2002

Test Date: 1/16/2002

Nozzle used: 1" dia.X 4" long 120 Deg. Swivel Nozzle Assy.

Item #: 570-89811

Injector size: 1/2 Drop
 1 Drop
 Two 2 Drops

Injector configuration:
Cycle Time: .5-1 Sec
Dwell Time: .2-.5 Sec
Delay Time: Varied

Tubing Length (Ft.): 3-FT

Regulator Pressure (PSI): 1-5 psig.

Test Temperature
Ambient
Heated

Temperature (deg. F): _____

Test Objective: Determine the Widest Spray Pattern Possible

Nozzle Gap Size (In.): 0.004

Nozzle Orifice Size (In.): N/A

Spray Distance (In.): 9"

Spray Width Achieved: 12 inch

	<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 type="checkbox"/>	<input checked="" 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

The fluid test was performed with Two Double drop injectors oil outputs tied together, increasing output to Four drops (.120ml)

Fluid Atomized @ very low Nozzle air Pressure. (settings above 5 PSI. Caused misting 3 PSI was optimum) The Cycling rate

of the injectors was rapid (.5 seconds) this was needed to maintain good coverage over the 12" width.

material passing thru the spray 9" away @ two seconds per foot seems to have a consistent coverage. Raising the nozzle above 9"

required more Nozzle air causing heavy fluid break up with no benefits to the width coverage.

Tested By: Mark Aupperle

Sales: _____

Engineering: Steve Gorski