

FLUID PERFORMANCE TEST

Fluid Test Report No.: FT-0041

Lubricant Name: FMO-500-AW

Manufacturer: Lubriplate

Customer: Coca-Cola

Application: Crown Filler

Contact Name: Jack Rohlfs

Contact Phone: 916-488-1998

Date: 3/29/2004

Test Date: 4/14/2004

Nozzle used: SFN-IL-NY-120-3

Item #: _____

Injector size: 1/2 Drop
 1 Drop
 2 Drops

Injector configuration:
Cycle Time: 8 seconds
Dwell Time: 0.5 seconds
Delay Time: 7.5 seconds

Tubing Length (Ft.): 15-FT NYLON

Regulator Pressure (PSI): Varied from 4-12 psig

Test Temperature
Ambient
Heated

Temperature (deg. F): _____

Test Objective: To determine proper spray gap to provide best spray pattern.

Nozzle Gap Size (In.): Varied from .004" to .010"

Nozzle Orifice Size (In.): NA

Spray Distance (In.): 2"

Spray Width Achieved: 2"

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

TEST NOTES

Lubricant was tested with spray gaps ranging from .004" to .010". The best results were achieved with .006" and .008" gap widths. At lower nozzle air pressures (<10 psig) the spray pattern was poor, spotting very evident. At higher air pressures (10-12 psig) the pattern improved, however splattering was still evident. The 8 second cycle time seemed to be fine with the double-drop injector. A desired consistent coverage of over 2" (with the above nozzles) would be highly unlikely with the characteristics of the lubricant.

Tested By: Steve Clancy

Sales: _____

Engineering: Steve Clancy