

FLUID PERFORMANCE TEST

Fluid Test Report No.: FT-0035

Lubricant Name: Lube 223 (LQAF-290)

Manufacturer: KCI Chemical

Customer: Lubritech/Roper

Application: Stamping

Contact Name: Scott Davies/Jeff Lysaught

Contact Phone: _____

Date: 12/9/2003

Test Date: 12/16/2003

Nozzle used: WFN Nozzle

Item #: 570-570-89811

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

Tubing Length (Ft.): 2 FT-Nylon

Injector configuration:
Cycle Time: 1.0 sec.
Dwell Time: 0.5 sec.
Delay Time: 0.5 sec.

Regulator Pressure (PSI): 10 psig.

Test Temperature
Ambient
Heated

Temperature (deg. F): _____

Test Objective: Determine spray coverage of lubricant per application. Application requires a 21" sheet to be coated. Cycle time for stamping application is 42"/sec.

Nozzle Gap Size (In.): NA

Nozzle Orifice Size (In.): NA

Spray Distance (In.): 8"

Spray Width Achieved: 9"

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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 to be tested required 3:1 mix ratio with water. The test nozzle produced a low quality pattern initially with the gap set at .013".

Reduction in gap size to .008" produced a much more acceptable pattern.

The lubricant has settles out when sitting overnight. This is evident in the reservoir and the oil feed lines. Immediate testing in the morning produced no adverse effects from this, however long term effects may effect seal integrity. The thin film created could also effect the reservoir strainer.

Tested By: Steve Clancy

Sales: _____

Engineering: Steve Clancy