

FLUID PERFORMANCE TEST

Fluid Test Report No.: FT-0040

Lubricant Name: DTI M3 Copper

Manufacturer: Henkel Surface Tech.

Customer: Ball Metal

Application: CHAIN

Contact Name: Jack Rohlfs

Contact Phone: 916-488-1998

Date: 3/8/2004

Test Date: 3/9/2004

Nozzle used: TFN/SFN

Item #: \_\_\_\_\_

Injector size:            1/2 Drop   
                                  1 Drop   
                                  2 Drops

\*\* Two Double-Drop Injectors tied together

Injector configuration:  
Cycle Time: Varied  
Dwell Time: Varied  
Delay Time: Varied

Tubing Length (Ft.): 20-FT NYLON

Regulator Pressure (PSI): 4-12 psi

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.): \_\_\_\_\_

Spray Distance (In.): 5-1/2"

Spray Width Achieved: 6"

**Spray Quality**

	<u>None</u>	<u>Low</u>	<u>Medium</u>	<u>High</u>
Pulse	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Spits	<input checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overspray	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**TEST NOTES**

Lubricant tested reacted very similar to the DTI-C1 Copper oil (Ref. FT-0039). Overall results were .008" gap width with 8-10 psi of air. This seemed to provide the best overall coverage with minimal overspray.

TFN Nozzle tested with lube. Performance was the same except for more evidence of pulsing, especially at 3-4 sec. cycle rate.

Tested By: Steve Clancy

Sales: \_\_\_\_\_

Engineering: Steve Clancy