

FLUID PERFORMANCE TEST

Fluid Test Report No.: FT-0025

Lubricant Name: KSL-213 Chain Oil

Manufacturer: Keystone Lubricants

Customer: _____

Application: Chain

Contact Name: Steve Settle

Contact Phone: 513-615-7790

Date: _____

Test Date: 7/29/2003

Nozzle used: SWN-IL-NC-00-2

Item #: _____

Injector size: 1/2 Drop
 1 Drop
 2 Drops

Injector configuration:
Cycle Time: Varied (2-17 sec.)
Dwell Time: 0.5 sec.
Delay Time: Varied

Tubing Length (Ft.): 3 ft.

Regulator Pressure (PSI): Varied (3-8 psig)

Test Temperature
Ambient
Heated

Temperature (deg. F): _____

Test Objective: To determine spray pattern and coverage

Nozzle Gap Size (In.): NA

Nozzle Orifice Size (In.): 0.46

Spray Distance (In.): .38-.50

Spray Width Achieved: .13-.25

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 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 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

Spray pattern spotty at low air pressures. Best results when air pressure at 7-8 psig. Varied cycle time out to 17 seconds with air pressure at 8 psig. Pattern would dry out at longer cycle times, need to increase air pressure as cycle time increases.

Retested lubricant with a 3" long tip and a double-drop injector. Cycle time was taken out to approximately 50 seconds. Initial pattern heavier, tapering off near the end of the cycle. Air pressures were increased to approximately 10 psig.

Tested By: _____

Sales: _____

Engineering: S. Clancy