

FLUID PERFORMANCE TEST

Fluid Test Report No.: FT-0054

Lubricant Name: Waterborne Milltreat

Manufacturer: KOP-COAT Inc.

Customer: Barry & Sewall

Application: Wood preservative

Contact Name: Dave Voges

Contact Phone: 800-462-5344 139

Date: 10/19/2004

Test Date: 10/11/2004

Nozzle used: SWN-IL-NY-00-3

Item #: 570-85736-0003

Injector size: 1/2 Drop
 1 Drop
 2 Drops

Injector configuration:
Cycle Time: See Notes
Dwell Time: See Notes
Delay Time: See Notes

Tubing Length (Ft.): 3-FT

Regulator Pressure (PSI): See Notes

Test Temperature
Ambient
Heated

Temperature (deg. F): _____

Test Objective: Determine if fluid can be used with an ORSCO system, without any corrosive reaction to the injector pin sets

Nozzle Gap Size (In.): NA

Nozzle Orifice Size (In.): 0.046

Spray Distance (In.): Varied

Spray Width Achieved: Varied

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

Test was initially performed with a half-drop injector. The resultant spray pattern was extremely inconsistent and would not be acceptable with our system. Two sets of injectors/nozzles were used, one with our standard pin set, the other with an electroless nickel plated set. The performance of the nozzles was identical. The customer requested using the double-drop injectors. The test system was converted to have a single double-drop injector (with our standard pin set) feeding the same nozzle assembly. This configuration provided an improved spray pattern for faster injector cycle rates. The pattern would disappear if the injector "Off" time exceeded 4 secs. We are currently waiting for an electroless nickel plated double-drop pin set to further this test. Customer to send door stiles for testing lubricant penetration .

Tested By: Steve Clancy

Sales: _____

Engineering: Steve Clancy