

FLUID PERFORMANCE TEST

Fluid Test Report No.: FT-0049

Lubricant Name: XD-3 20

Manufacturer: Exxon

Customer: Briggs & Stratton

Application: Cylinder bore

Contact Name: Chris Bernard

Contact Phone: 912-381-4214

Date: 6/1/2004

Test Date: 6/8/2004

Nozzle used: TFN-IL-NC-360-3/TPN-IL-NC-45-3

Item #: _____

Injector size: 1/2 Drop
 1 Drop
 2 Drops

Injector configuration:
Cycle Time: 1 sec.
Dwell Time: 0.5
Delay Time: 0.5

Tubing Length (Ft.): 2 ft. Nylon

Regulator Pressure (PSI): _____

Test Temperature
Ambient
Heated

Temperature (deg. F): _____

Test Objective: Customer has single regulator VS assembly running both a TCN and TFN nozzle. Has problems adjusting nozzle air pressure to obtain best spray pattern

Nozzle Gap Size (In.): .006" for TFN

Nozzle Orifice Size (In.): 0.046 for TPN

Spray Distance (In.): _____

Spray Width Achieved: _____

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

Nozzles were tested independently on a VS assembly w/ a two-drop injector. The TFN nozzle performed well with the nozzle air pressure regulated to 5-7 psi. The TCN nozzle performed well around 3 psig. Suggested to the customer that the VS assembly be reconfigured for a dual regulator application.

Tested By: _____

Sales: _____

Engineering: Steve Clancy