

FLUID PERFORMANCE TEST

Fluid Test Report No.: FT-0028

Lubricant Name: Royal Spindle Oil 10

Manufacturer: D.A. Stuart Company

Customer: _____

Application: _____

Contact Name: Steve Settle
Victor Stoll (TSS)

Contact Phone: 513-615-7790
513-772-7000 Ext. 1638

Date: 9/8/2003

Test Date: 9/8/2003

Nozzle used: TFN-IL-NC-360-5

Item #: _____

Injector size: 1/2 Drop
 1 Drop
 2 Drops

Injector configuration:
Cycle Time: 2.00
Dwell Time: 0.50
Delay Time: 0.50

Tubing Length (Ft.): 2 ft.

Regulator Pressure (PSI): 4-5 psig

Test Temperature
Ambient
Heated

Temperature (deg. F): _____

Test Objective: Determine ability to spray lubricant to sufficiently cover bore of dia. 1.35 in and a length of 1.85 in.

Nozzle Gap Size (In.): 0.003

Nozzle Orifice Size (In.): N/A

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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Atomizes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Overspray	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

TEST NOTES

First test used two-drop injector. Pattern was excessive and lubricant became airborne at low pressures. Tested lubricant with half-drop injector, pattern improved. Nozzle air pressures adjusted from 3 psig to 15 psig. Best results when air pressure around 4-5 psig. Cycle time most suitable for required distance determined to be 2.0 seconds.

Tested By: _____

Sales: _____

Engineering: S. Clancy