

FLUID PERFORMANCE TEST

Fluid Test Report No.: FT-0057

Lubricant Name: T-FGO 460/T FGBL 200

Manufacturer: Tribology Inc./Tech-Lube

Customer: IJ White

Application: _____

Contact Name: Pete Loscalzo

Contact Phone: (248) 669-4230

Date: 11/8/2004

Test Date: 11/05-11/08/04

Nozzle used: TPN-IL-CS-00-3

Item #: _____

Injector size: 1/2 Drop
 1 Drop
 2 Drops

Injector configuration:
Cycle Time: _____
Dwell Time: 0.5 seconds
Delay Time: Varied

Tubing Length (Ft.): 3-FT Steel Tubing

Regulator Pressure (PSI): Varied from 4-12 psig

Test Temperature
Ambient
Heated

Temperature (deg. F): 200

Test Objective: To determine best spray pattern.

Nozzle Gap Size (In.): NA

Nozzle Orifice Size (In.): 0.046"

Spray Distance (In.): 1.5"

Spray Width Achieved: .75 diameter

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

TEST NOTES

Fluid #1 (T-Fgo 460) tested in oven chamber at a temp of 200 degrees F. Nozzle was pulsed to simulate lubricating the roller bearings. The lubricant was viscous, but sprayed reasonably well for a pulsed application, having a tendency to require a longer duration for the nozzle air supply to ensure all lubricant was removed from the nozzle tip. Total duration of 1.5 seconds was sufficient, with a shorter duration resulting in a drip forming on the end of the tip. Nozzle air pressure was set at 5 psig with the best results. Higher air pressure resulted in more atomization.

The 2nd lubricant was tested in the same manner with a temp of 150 degrees F. The lubricant was thinner than the first and performed well at 5 psig. and a 1 second cycle time.

Tested By: Steve Clancy

Sales: _____

Engineering: Steve Clancy