

FLUID PERFORMANCE TEST

Fluid Test Report No.: FT-0056

Lubricant Name: ECO-KOR 450

Manufacturer: NCOC Inc.

Customer: Creative Machine

Application: Transmission Gear

Contact Name: Russ Boring

Contact Phone: (248) 669-4230

Date: 11/1/2004

Test Date: 10/29/2004-11/1/04

Nozzle used: SFN-IL-NY-120-3

Item #: _____

Injector size: 1/2 Drop
 1 Drop
 2 Drops

Injector configuration:
Cycle Time: 1 seconds
Dwell Time: 0.5 seconds
Delay Time: 0.5 seconds

Tubing Length (Ft.): 3-FT NYLON

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

Test Temperature
Ambient
Heated

Temperature (deg. F): _____

Test Objective: To determine best spray pattern.

Nozzle Gap Size (In.): .007"

Nozzle Orifice Size (In.): NA

Spray Distance (In.): 2"

Spray Width Achieved: Varied

Spray Quality

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

TEST NOTES

This Fluid was tested two ways (#1) full concentration & (#2) water reduction (3% solution 97% water),

(#1) at full concentration spray pattern was consistent and a thick film could be applied, 8 Psi. nozzle air performed best Atomizing of the fluid could not be controlled. A small amount of fluid build-up was seen at the nozzle tip after sitting for two days this did not clog the nozzle tip or effect spray pattern upon restart. A three inch wide spray pattern was accomplished at two inches away

(#2) in its water reduced state less Atomizing was seen, 10 Psi nozzle air performed best only a two inch wide spray pattern could be obtained @ two inches away the spray pattern did show signs of pulsing (wide/thin). No fluid build-up was seen on the nozzle tip after a two day sitting period.

Tested By: Steve Gorski

Sales: _____

Engineering: Steve Clancy