

FLUID PERFORMANCE TEST

Fluid Test Report No.: FT-0054

Lubricant Name: PETROGLIDE MC 32

Manufacturer: PETRO CANADA

Customer: _____

Application: Band Saw Guides

Contact Name: Brian Miller

Contact Phone: (780) 921-3339

Date: 9/21/2004

Test Date: 8/23/04 - 9/17/04

Nozzle used: SWN-IL-NY-00-3 / SFN-IL-NY-120-3

Item #: 570-85736-0003 / 570-85516-0003

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.

Nozzle Gap Size (In.): 0.008

Nozzle Orifice Size (In.): 0.046

Spray Distance (In.): Varied

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 type="checkbox"/> | <input type="checkbox"/> |
| Spits | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Splatters | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Atomizes | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Overspray | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

TEST NOTES

This fluid performed very good with the ORSCO system, (see spray qualities above) overnight holding pressures where documented for a four week period, (8/23 - 9/17) the static pressure between the nozzle & injector varied from 58-65 Psi. (Normal holding pressure)

Two types of nozzle assy. were used for this test, (SWN & SFN) Spray pattern was very consistant with both nozzles tested,

The SFN nozzle performed best with .7 Sec. Delay .5 Sec Dwell timing & 15 Psi. nozzle air, at these settings 1-1/4" wide spray pattern was obtained 1-1/2" away from the sprayd surface.

The SWN nozzle performed best with 1.5 Sec. Delay .5 Sec Dwell timing & 7 Psi. nozzle air, at these settings 1/8" wide spray pattern was obtained 1/2" away from the sprayd surface.

Tested By: Steve Gorski

Sales: _____

Engineering: Steve Gorski