



Phil DeBruzzi  
 3572 Commonwealth Rd  
 Woodbury, MN 55125

Date: 02-10-2011  
 Vehicle: 1987 Porsche 928  
 S4  
 Model: 280 150 730  
 Injector serial #: 1102091-  
 1102098

#### Preliminary Test Results

| Test pressure = 43.5 psi  | Injector No. |      |      |      |      |      |      |      |
|---|--------------|------|------|------|------|------|------|------|
|   | 1            | 2    | 3    | 4    | 5    | 6    | 7    | 8    |
| Test 1. Injector Resistance   | 15.8         | 15.7 | 15.7 | 15.8 | 15.7 | 15.7 | 15.7 | 15.7 |
| Test 2. Leak Down Test ( <b>P</b> ass / <b>F</b> ail)               | P            | P    | P    | P    | P    | P    | P    | P    |
| Test 3. Spray Pattern ( <b>G</b> ood / <b>F</b> air / <b>P</b> oor) | G            | G    | G    | G    | G    | G    | F    | G    |
| Test 4. 90 Second Pulsed Flow Delivery (mL)                         | 78           | 75   | 75   | 77   | 76   | 75   | 74   | 77   |
| Test 5. 100mL Pulsed Volume   | 100          | 98   | 98   | 100  | 99   | 98   | 97   | 99   |
| Test 6. 20 Second Static Flow (mL)                                  | 75           | 74   | 73   | 76   | 76   | 75   | 72   | 74   |
| Test 7. 100mL Static Flow   | 99           | 97   | 97   | 100  | 100  | 98   | 96   | 98   |

#### Test Results After Service

| Test pressure = 43.5 psi  | Injector No. |    |     |     |     |     |     |     |
|---|--------------|----|-----|-----|-----|-----|-----|-----|
|   | 1            | 2  | 3   | 4   | 5   | 6   | 7   | 8   |
| Test 1. Leak Down Test ( <b>P</b> ass / <b>F</b> ail)               | P            | P  | P   | P   | P   | P   | P   | P   |
| Test 2. Spray Pattern ( <b>G</b> ood / <b>F</b> air / <b>P</b> oor) | G            | G  | G   | G   | G   | G   | G   | G   |
| Test 3. 90 Second Pulsed Flow Delivery (mL)                         | 79           | 79 | 79  | 80  | 79  | 78  | 79  | 80  |
| Test 4. 100mL Pulsed Volume   | 99           | 99 | 100 | 100 | 99  | 98  | 99  | 100 |
| Test 5. 20 Second Static Flow (mL)                                  | 76           | 76 | 77  | 77  | 77  | 77  | 77  | 77  |
| Test 6. 100mL Static Flow   | 99           | 99 | 100 | 100 | 100 | 100 | 100 | 100 |

#### Parts Replaced

| Pintle Caps | Seals | O-Rings | Screens | Hoses | Clips |
|-------------|-------|---------|---------|-------|-------|
| 8           | 0     | 16      | 8       | 0     | 0     |

#### Comments

Tests performed at 0.705 specific gravity.