



## TP005 Fuel Pump Test Data In – Line

### **Equipment Specification**

Fuel pump: SPE4A75S647

Des No: P 4522

Governor: GPD90A70

Excess Fuel Device: EFA14

Coupling: 82868 or CR103

Injector: SIMMS: HB 60S40 N1191

Nozzle: SIMMS: NL141 CAV BDLL

Injector Setting Pressure: 175 ats

Pump Firing Order: 1. 2.4.3 Clock Wise Rotation at No 2 end.

### **Instillation Specification.**

Application: Fordson Major Tractor

Engine Type: Ford: E1ADDN

### **Test Rig Conditions.**

Nozzle Holders: BKB50SD19b

Nozzle: BDN12SD12

Injection Setting Pressure: 175 atm.

Feed Pressure: 3psi to 5psi

High Pressure Pipes: 6mm x 2mm x 600mm long.

### **Test Procedure.**

Phasing:

Set No 1 tappet to 0.5. Plus Or Minus 0.05 Head Clearance.

Phase other lines to within Plus or Minus 0.5 degrees of No 1.

### **Control Rod Setting.**

Set control fork 1.0mm from squared control rod end (EFD end)

Initial Fuel Setting is obtained by measuring **8.5mm** from centre face of governor link to the front face of the governor half.

Set fuel figures to balance: **11.4cc---11.8cc/ 200 shots @ 600RPM**

Maximum variation between elements must be within: + - 2.0ccs

Then set Maximum Fuel on EFD screw **11.8ccs 200 shots @ 600rpm**

**Note: Check: That all elements cease to deliver fuel at 3mm control rod travel at 600rpm**