


Hydraulic Test Program – Test (Fuel System Pressure and Internal Leakage Test)

| ⇒ |  | Test scope | Test connection | Test condition | Nominal value | Possible cause/Remedy ¹⁾ |
|-----|---|---|--|---|----------------------------|---|
| 1.0 | | Fuel pressure at idle (with vacuum) | Pressure gauge connected to test connection. | Engine: at Idle Valve on pressure gauge closed. | 3.2 – 3.6 bar | Check fuel pumps 34, Diaphragm pressure regulator. |
| 2.0 | | Fuel pressure at idle (without vacuum) | Pressure gauge connected to test connection. | Engine: at Idle Disconnect vacuum hose from diaphragm pressure regulator. | 3.7 – 4.2 bar | Diaphragm pressure regulator. |
| 3.0 | | Fuel system leakage | Pressure gauge connected to test connection. | Engine: OFF After 30 minutes: | > 3.0 bar > 2.5 bar | If the pressure drops quickly: replace check valve in fuel pumps. If the pressure drops slowly, check injectors 36, Replace diaphragm pressure regulator or O-rings on diaphragm pressure regulator. |

¹⁾ Observe Preparation for Test, see 31.