

Injectors & pumps for common rail LKW's, Tractors & Landmachines

- 1. Supplier of new and remanufactured injectors & pumps
- 2. Injector & pump testing
- 3. Injector and pump repair

John O'Sullivan OS Diesel Technologie Kremserstraße 16 3542 Gföhl

+43 699 17260567 john@os-diesel.at



Injector cleaning & testing

Injectors are ultrasonically cleaned to remove carbon in preparation for visual inspection.
Critical areas of the Injectors are examined for ware or damage.



Injector cleaning & testing



injectester | manual

Injectors flushed, contents collected in a glass container and examined for contaminants. Visual check for good spray pattern and fuel atomisation. Nozzle opening pressure is tested and a static leak test carried out to check for nozzle drip.

Injector testing

Electrical components of the injector are tested using OE equipment

Different injector types have different electrical values. The solenoid must fall within the allowable parameters to pass. Static electrical tests are preformed using handheld devices. Dynamic electrical tests are also preformed on the test bench while the injector is in full operation

Inductance: shown as μH (microHenry) Resistance: of the coil shown in Ω (0hm) insulation resistance: shown in m Ω (mega0hm)



Injectors tested with state-of-the-art test benches.
All fuel deliveries controlled (full load, full load return, emission point, idling and pilot delivery).
OE specification test plans
Printed test report available on request.





All makes of CRIN injectors tested
Bosch: MAN, DAF, Scania, CASE, Iveco, Fendt
New Holland, Volvo Penta, Deutz <u>CRIN 4.2</u>
Delphi: EUI DAF, MERC Euro4, Euro5
Denso: John Deere, Isuzu, Komatsu

Caterpillar: Perkins

Injector repair and calibration procedure

Computerised stage 3 procedure used for measuring and calibrating all makes of CRIN injectors. Individual plans specific for each injector number. This equipment aids in the speed and precision of the injector rebuild.

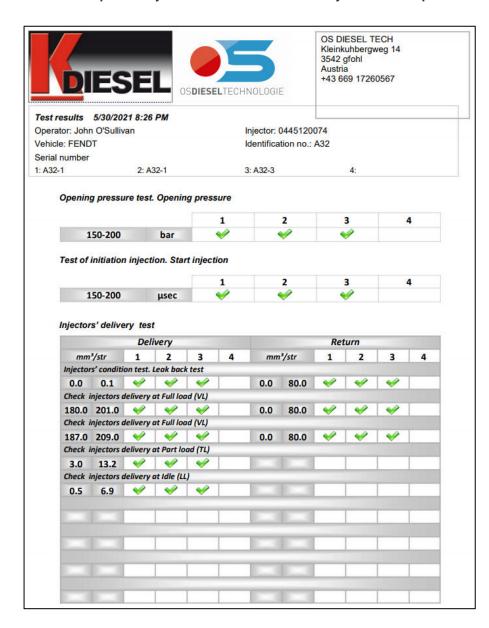


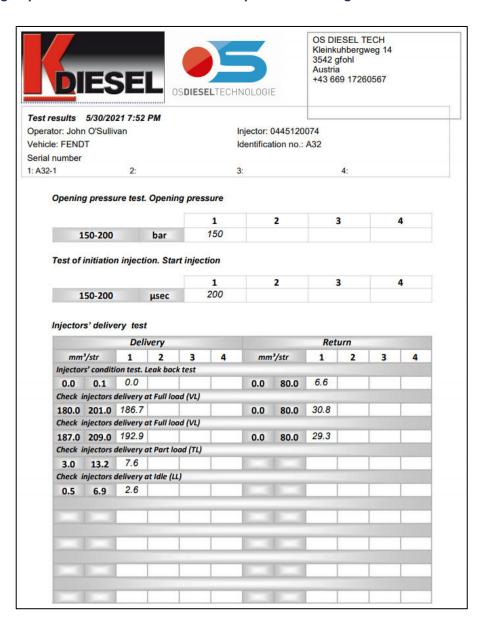
Injector repair and calibration procedure

Specialised workshop equipment and machines are used to validate the internal components of the injector. Worn or faulty components are replaced. A repaired injector must pass strict quality control tests before being deemed suitable.



Two report styles available. An easy-to-read pass or fail graphic or a more detailed report showing the values.





Pump testing



All makes of pumps tested

Bosch: CP1, CP3, CP3-H, CP4-S1 / S2

Delphi: DFP1 / 1.5, DFP3, DFP6

Denso: HP2, HP3, HP4

Siemen VDO: various

