

## Maintenance Work Report

**Company:** ABC Manufacturers

**Address:** agenham, Essex, RM9 6SA, United Kingdom

**Tel No:** +44 20 8526 2964

**Scheduled Date:** 2025/1/7 8:00AM – 2025/1/8 4:00PM

**Planned Execution time:** 15hours

**Execution Date:** 2025/1/8 8:30AM

**Completion Date:** 2025/1/10 9:25AM

**Performed By:** Alain Prost

**Approved By:** Mario Andretti

### Fault Details:

Following Symptoms Observed by technician Adrian Jacobs when doing the routing inspection of the diesel engine No 1 (651.01) on 7<sup>th</sup> Jan 2025.

- Engine is difficult to start and often fails to start.
- Unstable idling with frequent stalling.
- Excessive black smoke from the exhaust.
- Noticeable decrease in engine power and performance.
- Unusual knocking noises from the engine.

### Work Performed:

Replaced Faulty Parts and checked each part/system as to the list below as it needed immediate attention.

- Fuel System: Replaced clogged fuel filters, cleaned or replaced fuel injectors, and ensured the fuel pump is functioning correctly.
- Air Intake System: Replaced dirty or damaged air filters and checked the intake manifold for leaks or blockages.
- Cooling System: Inspect and replaced damaged hoses, radiators, and thermostats. Ensured the coolant is at the correct level and in good condition.
- Lubrication System: Changed the engine oil and replaced the oil filter. Checked for oil leaks and ensured proper lubrication of moving parts<sup>2</sup>.

**Additional Faults found:**

In the electrical system there is a fault in the sensor XSNSR-0012, it doesn't seem to trigger for the set conditions. Need to get this fixed within a week or 2.

Also, the oil seal in the bottom section is loose, not critical but good to get fixed to avoid more damage.