

Maintenance & Repair History – Mack Titan 8x6 (PM04)

2023 – Major Engine & Cooling System Works

- Full removal and replacement of gear housing assembly
- Oil cooler housing and thermostat assembly replaced and pressure tested
- Injector camshaft components removed, inspected and refitted with new seals
- Engine timing reset and gear train reassembled to specification
- Turbo, exhaust manifold, EGR system and intake components removed, inspected and refitted
- New vibration damper, fan hub components and associated assemblies installed
- Cooling system components replaced including header tank and associated fittings
- Electrical diagnostics completed including fan control system rewiring and calibration
- General reassembly, testing, and road test completed with all systems operating correctly

Late 2023 – Differential Rebuilds

- Complete strip, inspection and rebuild of multiple differentials
- Replacement of bull gear sets, pinions, bearings, seals and internal components
- Power divider components replaced and reset
- All units reassembled, shimmed and preloads set to specification
- Running clearances and gear patterns reset and tested

2024 – Clutch, Driveline & Structural Works

- Clutch system diagnosed and fully replaced including clutch kit, cable and air assist system
- Gearbox removed, inspected and refitted with new internal components
- Flywheel housing replaced and rear main seal completed
- Centre bearing replaced and driveline corrected and aligned
- Input shaft and cross shaft assemblies replaced
- Front spring bushes, pins and shackles replaced
- Fuel system lines replaced and rerouted
- Engine mounts replaced and structural components refurbished

- Air system leaks repaired and clutch adjustment finalised
- Full reassembly, testing and road testing completed

Overall Summary

The vehicle has undergone extensive mechanical refurbishment and major component replacement, including:

- Engine and cooling system works
- Differential rebuilds
- Clutch and gearbox overhaul
- Suspension and driveline repairs

All works completed with inspection, reassembly, and operational testing.