

# LEARJET 40 Model Guide

The LEARJET 40 is a twin-engine business jet. The source documents contain no specifications, performance or weight data for it. This guide therefore covers ownership checks only: the scheduled inspection intervals, and a December 2023 engine-trend report on one example, N40XR.

## KEY TAKEAWAYS

- Scheduled inspections fall at 12, 24, 48 and 96 months. The 96-month structural inspection takes 4+ weeks of downtime.
- The 48-month event often turns up significant findings, so budget for corrective work.
- Ask for engine trend reports. N40XR's trends were assessed as normal in December 2023 despite CAS and N1 faults.
- No specs, performance or weights were in the sources. Get them from the flight manual.

## SAFETY NOTES

- Check SB/AD applicability and compliance in the logbooks. The 12-month inspection includes an SB/AD applicability check.
- Do not buy on trend status alone. N40XR showed N1 signal and monopole faults on engine 116602 while its trends read normal.

## INSPECTION SCHEDULE

12-month: 3–5 days, visual and system checks, logbook review. 24-month: 7–10 days, adds fire detection, oxygen and pitot-static checks. 48-month: 2–3 weeks, extensive system evaluations. 96-month structural: 4+ weeks, with corrosion evaluation, NDT, landing gear and pressurization checks. The guide covers Learjet 40/45/70/75. Hourly and cycle checks vary by model.

## ENGINE TREND EXAMPLE: N40XR

The report on N40XR (Learjet 40-L40.2028) was created 18/12/2023. Both engines (116602, 116603) were assessed Normal on takeoff and cruise trends. On 9 December 2023 engine 116602 logged an N1 monopole circuit open fault. Maintenance was to investigate or replace the monopole. Engine 116603 logged an N1 cross-engine wiring fault.