

G-ULAS Engineering Plan Extract

Generated 4 May 2026. Airframe at annual: 13276:55. Current airframe hours: 13283:45. Current engine TSO: 1741:50. Logged since annual: 6:50 takeoff-to-touchdown. 50-hour calendar due: 19 Jun 2026. Next annual by: 19 Dec 2026.

Airframe hours are calculated from the last annual using takeoff-to-touchdown technical-log time. The 50-hour check is due at 50 hours or six months from the last check/annual, whichever comes first. Engine cumulative figures are engine time in service since overhaul; verify against the original log before operational use.

Before Next 50-Hour Check

Ref	Record	Flag	Last / next	Source / notes
TNS 121	Battery Bay Installation - Corrosion from Acid Spillage TNS	Recurring watch Medium-Low	Last: 50hr & Annual Hours: n/a Next: 50hr & Annual	TNS LIST row 20 Recommended recurring inspections at 10, 50 and 100 hour intervals re battery vent and drain, acid level in battery and washing, rinsing re-protecting of battery bay
TNS 150	Elevator Trim Tab Control Cables TNS	Due soon Medium-Low	Last: 19/12/25 Hours: 13276.55 Next: 13426.55	TNS LIST row 30 Recurring checks for fraying under rear cockpit seat at 150 hour intervals
TNS 168	Engine Mount, Section 2 - Visual Inspection TNS	Hour-based watch Medium-Low	Last: 19/12/2025 Hours: 13276.55 Next: 13,326:55	TNS LIST row 50 Cancelled
TNS 190A	Engine Mounting Frames - Examination of Joints - VISUAL TNS	Due soon Medium-Low	Last: 2025-12-19 Hours: 13276.55 Next: 19/12/2026 / 13,426.55	TNS LIST row 70 Visual check of mounting frame joints
GM 10-41	Magneto Impulse Lubrication Engine / Prop	Recurring watch Medium-Low	Last: 19/12/2025 Hours: 1,733:35 Next: 50 Hour / Annual	ENGINE row 10
EMM	Tappet Clearance Check & Oil Engine / Prop	Recurring watch Medium-Low	Last: 19/12/2025 Hours: 1,733:35 Next: 50 Hour / Annual	ENGINE row 13

Before Next Annual Inspection

Ref	Record	Flag	Last / next	Source / notes
TNS 116	Engine Control Rods - Alignment, Fouling and Fracture of Rod End TNS	Overdue / due now Medium-Low	Last: 2022-11-14 Hours: n/a Next: 2023-11-14	TNS LIST row 18 Annual check of engine controls, see paragraph 4 onwards.
TNS 121	Battery Bay Installation - Corrosion from Acid Spillage TNS	Recurring watch Medium-Low	Last: 50hr & Annual Hours: n/a Next: 50hr & Annual	TNS LIST row 20 Recommended recurring inspections at 10, 50 and 100 hour intervals re battery vent and drain, acid level in battery and washing, rinsing re-protecting of battery bay
TNS 122	Tail Unit Assembly - Elevator Structure TNS	Overdue / due now Low	Last: 2020-01-31 Hours: - Next: 2023-01-31	TNS LIST row 21 Visually checked during an annual inspection. (11/12/2024) See A/C Logbook 2, P.57. Approx price according to Danny at Goodwood Engineering (Oct 2021). NOT MANDATED BY LAA TADS 950. CHECK WITH GOODWOOD WHAT EXACTLY THEY CHECKED IE WHICH PARTS OF TNS 122,
TNS 138	Management and Recording of Fatigue Consumption TNS	Due soon Medium-Low	Last: 2025-12-19 Hours: n/a Next: 2026-12-19	TNS LIST row 25 DHSL calculation of accrued fatigue hours for the annual update of TNS 138 Form 'C', based on the flight hours detail on Form 'B'. Cost according to Danny at Goodwood Engineering is approx £150/year
TNS 150	Elevator Trim Tab Control Cables TNS	Due soon Medium-Low	Last: 19/12/25 Hours: 13276.55 Next: 13426.55	TNS LIST row 30 Recurring checks for fraying under rear cockpit seat at 150 hour intervals
TNS 156	Tail Unit Assembly - Fin Structure TNS	Due soon Medium-Low	Last: 2023-11-16 Hours: 13117.2 Next: 2026-11-16	TNS LIST row 34 Mod H283 embodied so only checks in para 2 required
TNS 158	Fuselage Structure. Section 2-No1 Firewall Rivets TNS	Recurring watch Medium-Low	Last: 19/12/2025 Hours: n/a Next: Annual	TNS LIST row 37 Visual Inspection

Ref	Record	Flag	Last / next	Source / notes
TNS 162	Structural Inspection of Fabric Covered Components TNS	Due soon Medium-Low	Last: 19/12/2025 Hours: n/a Next: 19/12/2026	TNS LIST row 43
TNS 167	Wing Assembly - Section 4 Flap Centre Hinge Rib TNS	Recurring watch Medium	Last: 19/12/2025 Hours: 13276.55 Next: 19/12/2028	TNS LIST row 47 Dates and info taken from TNS Listing 22/10/2022 compiled by Goodwood engineering and filed in plastic wallet at back of A/C Logbook 2 Ring Binder. Easy inspection of flap centre hinge through zip fastener
TNS 167	Wing Assembly - Section 5 Aileron Centre Hinge Ribs TNS	Recurring watch Medium	Last: 19/12/2025 Hours: 13276.55 Next: 19/12/2028	TNS LIST row 48 Dates and info taken from TNS Listing 22/10/2022 compiled by Goodwood engineering and filed in plastic wallet at back of A/C Logbook 2 Ring Binder
TNS 167	Wing Assembly - Section 6 Wing Structure at U/C TNS	Recurring watch Medium	Last: 2022-11-14 Hours: n/a Next: 2028-11-14	TNS LIST row 49 Dates and info taken from TNS Listing 22/10/2022 compiled by Goodwood engineering and filed in plastic wallet at back of A/C Logbook 2 Ring Binder
TNS 178	Rudder Assembly - Operating Lever and Hinge TNS	Recurring watch Medium-Low	Last: 2024-12-11 Hours: 13191.4 Next: 2027-10-12	TNS LIST row 60 Usually just visual inspection - 2 hrs
TNS 180	Engine Mounting Frame Attachment Points in Front Fuselage TNS	Recurring watch Medium-Low	Last: 2024-12-11 Hours: 13191.4 Next: 2027-12-10	TNS LIST row 61 Engine mount frame attachment point cracks. NB mod H.358 is embodied
TNS 181	Fuel Cock Selector Lever Catch TNS	Overdue / due now Low	Last: 2021-10-25 Hours: n/a Next: 2022-10-25	TNS LIST row 62 Mod H.350 presumed not embodied therefore Inspection & Function Check required
TNS 183	Fuselage Rear Bulkhead (ORIGINAL BULKHEAD ASSUMED) TNS	Due soon Medium-Low	Last: 2025-12-19 Hours: 13276.55 Next: 2026-12-19	TNS LIST row 64 Visual inspection.
TNS 184	Flap Operating System - Cable Failure and Latch Plate Wear TNS	Due soon Medium	Last: 2025-12-19 Hours: 13276.55 Next: 19/12/2026 / 13,426.55	TNS LIST row 65 See paperwork stapled into back cover of Engine Logbook 1
TNS 185	Wing Walkway Mat Installation TNS	Due soon Medium-Low	Last: 2025-12-19 Hours: n/a Next: 2026-12-19	TNS LIST row 66 Inspection, needs touching up 19/12/2025
TNS 187	Tailwheel Assembly TNS	Recurring watch Low	Last: - Hours: - Next: -	TNS LIST row 68 Currently being monitored, view from our engineering company is g-ulas is not exposed to a corrosive environment and visually monitored at every annual (11/12/2024) Unsure whether or not this inspection and treatment has been actioned... please check
TNS 190A	Engine Mounting Frames - Examination of Joints - VISUAL TNS	Due soon Medium-Low	Last: 2025-12-19 Hours: 13276.55 Next: 19/12/2026 / 13,426.55	TNS LIST row 70 Visual check of mounting frame joints
TNS 193	Fabric Covering TNS	Recurring watch Medium-Low	Last: - Hours: - Next: Annual	TNS LIST row 72 Also see TNS 162
005-05-90	Fuselage rear bulkhead inspection for cracks CAA AD	Recurring watch Low	Last: - Hours: - Next: -	CAA AD's row 19 TNS 183 iss 4. 3 yearly inspection only for replaced or repaired bulkheads. Original bulkhead presumed so annual checks required
003-08-94	Examination of engine mount frame joints CAA AD	Recurring watch Medium-Low	Last: - Hours: - Next: -	CAA AD's row 22 TNS 190 iss 2. Annual visual check + 600 hrs NDT check involving engine removal
G-2012-0001	Mandatory Life Limitations CAA AD	Recurring watch Medium-Low	Last: - Hours: - Next: -	CAA AD's row 28 TNS 138 iss 6. Completed annually by DHSL
GM 10-41	Magneto Impulse Lubrication Engine / Prop	Recurring watch Medium-Low	Last: 19/12/2025 Hours: 1,733:35 Next: 50 Hour / Annual	ENGINE row 10
1776 PRE 80 / GM 10-50	Magneto Oil & Jet Filter Engine / Prop	Recurring watch Medium-Low	Last: 19/12/2025 Hours: 1,733:35 Next: Annual	ENGINE row 11
1776 PRE 80 / GM 10-47	Induction Manifold Pressure Test Engine / Prop	Recurring watch Medium-Low	Last: 19/12/2025 Hours: 1,733:35 Next: Annual	ENGINE row 12 2022... Goodwood in their estimate said that this is a visual inspection

Ref	Record	Flag	Last / next	Source / notes
EMM	Tappet Clearance Check & Oil Engine / Prop	Recurring watch Medium-Low	Last: 19/12/2025 Hours: 1,733:35 Next: 50 Hour / Annual	ENGINE row 13

Verify: Possibly Overdue or Materially Uncertain

Ref	Record	Flag	Last / next	Source / notes
TNS 71	Propeller Spinner Assembly TNS	Verify Low	Last: n/a Hours: n/a Next: n/a	TNS LIST row 10 Mod H.190 presumed embodied
TNS 110	Fouling Between Oil Tank and Fireproof Bulkhead TNS	Verify Medium-Low	Last: n/a Hours: n/a Next: n/a	TNS LIST row 16 Visually checked during an annual inspection. (11/12/2024)
TNS 116	Engine Control Rods - Alignment, Fouling and Fracture of Rod End TNS	Overdue / due now Medium-Low	Last: 2022-11-14 Hours: n/a Next: 2023-11-14	TNS LIST row 18 Annual check of engine controls, see paragraph 4 onwards.
TNS 122	Tail Unit Assembly - Elevator Structure TNS	Overdue / due now Low	Last: 2020-01-31 Hours: - Next: 2023-01-31	TNS LIST row 21 Visually checked during an annual inspection. (11/12/2024) See A/C Logbook 2, P.57. Approx price according to Danny at Goodwood Engineering (Oct 2021). NOT MANDATED BY LAA TADS 950. CHECK WITH GOODWOOD WHAT EXACTLY THEY CHECKED IE WHICH PARTS OF TNS 122,
TNS 165	Main Undercarriage Leg Mounting Castings TNS	Verify Low	Last: 2017-12-04 Hours: 12,882 Next: 2029-12-04	TNS LIST row 45 Mod H.310 presumed not embodied. X-ray of Left & Right main undercarriage castings. Frequency 12 years if no cracks found / 6 years if acceptable cracks found. G-ULAS is on a 12 year check cycle as no cracks at last check. See A/C Logbook 2 page 45.
TNS 170	Flap Layshaft and Operating Cam - Inspection for Cracking TNS	Hour-based watch Low	Last: 2023-11-16 Hours: 13117.2 Next: 13417.2	TNS LIST row 52 What is the period of Check 4 and has this ever been checked? Not mandated under LAA TADS 950 - Think it is, should be every 300 hours
TNS 172	Brake Unit - Inspection of Calipers for Cracks TNS	Verify Medium-Low	Last: 19/12/2025 Hours: 13276.55 Next: 19/12/2027	TNS LIST row 54 Due to very low a/c hours since last check this has been deferred
TNS 181	Fuel Cock Selector Lever Catch TNS	Overdue / due now Low	Last: 2021-10-25 Hours: n/a Next: 2022-10-25	TNS LIST row 62 Mod H.350 presumed not embodied therefore Inspection & Function Check required
TNS 187	Tailwheel Assembly TNS	Recurring watch Low	Last: - Hours: - Next: -	TNS LIST row 68 Currently being monitored, view from our engineering company is g-ulas is not exposed to a corrosive environment and visually monitored at every annual (11/12/2024) Unsure whether or not this inspection and treatment has been actioned... please check
TNS 198	Aileron - Introduction of HTS Bolt TNS	Verify Low	Last: Not Embodied Hours: Not Embodied Next: -	TNS LIST row 75 Currently being monitored, view from our engineering company is g-ulas is not exposed to a corrosive environment and visually monitored at every annual (11/12/2024). Not embodied (by observation) possibly due to availability of parts. The correct HTS bolt can be identified by a 55 deg "V" slot around the bolt head periphery. Aircraft Restoration Company at Duxford emailed 19/10/22 to source parts
TNS 201	Introduction of Isolation Switch to Aircraft Fitted with Electric Start TNS	Verify Low	Last: 1997-08-01 Hours: n/a Next: n/a	TNS LIST row 78 Not sure which mod for elec start has been embodied

Ref	Record	Flag	Last / next	Source / notes
2807 PRE 80	U/C casting periodic x-ray as required by TNS 165 CAA AD	Verify Medium	Last: - Hours: - Next: -	CAA AD's row 16 TNS 165 iss 7. X-ray of Left & Right main undercarriage castings. Frequency 12 years if no cracks found / 6 years if acceptable cracks found. G-ULAS is on a 12 year check cycle as no cracks at last check. See A/C Logbook 2 page 45
005-05-90	Fuselage rear bulkhead inspection for cracks CAA AD	Recurring watch Low	Last: - Hours: - Next: -	CAA AD's row 19 TNS 183 iss 4. 3 yearly inspection only for replaced or repaired bulkheads. Original bulkhead presumed so annual checks required
G-2013-0002	Tailplane attachment fittings - cracking and misassembly CAA AD	Verify Low	Last: - Hours: - Next: -	CAA AD's row 29 TNS 209 iss 1. One off check completed. Presumably fittings are steel and not aluminium as there have been no subsequent 6 mth checks recorded
H.210	Fuel Vent: To Introduce a Deflector on Rear Fuselage Underside to Prevent Fuel Entering Cockpit through Access Door Modification	Verify Low	Last: 12.04.55 Hours: - Next: -	MODIFICATIONS row 215 Mandatory... should have been done in 1957. Check.
H.217	Fuel System: To Introduce Socket for Latest Bowser Bonding Plugs Modification	Verify Low	Last: 05.03.56 Hours: - Next: -	MODIFICATIONS row 222 Optional, as described in TNS 123. Possibly installed, see placard on underside of aircraft.
H.262	Engine Mounting: To Introduce Larger Vent and Drain Holes in Tubular Structure. Part A: New Spares. Part B: Retrospective Action Modification	Verify Low	Last: 19.02.64 Hours: - Next: -	MODIFICATIONS row 267 There is a placard on both port and starboard engine mounts stating "Mod nNo. H262 Part B" so presumably this is embodied
H.310	Wings: To Introduce Undercarriage Leg Mounting Casting Part No. C1.W 1023 and C1.W 1024 in Lieu of Part No. C1-W 639 and C1-W 640 Modification	Verify Low	Last: 12.10.72 Hours: - Next: -	MODIFICATIONS row 315 Presumably not embodied as TNS 165 (periodic x-ray) still required
H.350	To Introduce Safety Catch for the Fuel Cock Control Lever (Front Cockpit Only) Modification	Verify Low	Last: 14.07.82 Hours: - Next: -	MODIFICATIONS row 355 Presumably embodied as the catch appears to be really effective. No further info found to actually confirm this