

W. H. Hall

TEST DEPARTMENT 3110

SYMBOLS

PREPARED BY: E.J. Lynch

JOBS IN WORK

R - Job requires Reporting only.
A - Job in Abeyance
F - Job to be closed by ATR only

APPROVED BY: *J. W. Hines*
DATE: December 19, 1955

<u>JOB NO</u>		<u>TITLE</u>	<u>ASSIGNMENT NO.</u>
708		Mark 3 Canopy Strength	4-059
+2060		Strain Gauge Instrumentation	9-0000-3131-XXX Eng. Time 9-0000-31XX-XXX Shop Time & Materials
+2190		Control System - Bearing Selection C105	X7-0815
→ 2218	R	Control Surface Aluminum Alloy Piano Hinge Wear Test	X7-0882
→ 2237		Fuel System Tests C105	X7-0816
✓ 2249		Control Surface Actuator Tests C105 Model	X7-0802-1
2262		General Labour and Materials	90000-3131-XXX
2263		Maintenance of Test Equipment	93100-31XX-XXX
2264		Maintenance of Shop Furniture	93700-31XX-XXX
2265		Acquisition (or build up) of Shop Furniture	96500-31XX-XXX
→ 2268		Complete Mechanical System Test Rig C105	X7-0815
2270		Static Tests of Free Flight Model	X7-0802-1
2300	R	Sealing Test on Huck Lock Bolts	X7-0816
2306	R	Effectiveness of Dirt Shield as Pressure Seal in Fafnir Bearing	X7-0815
2324		Development of Feel System-Elevator and Aileron Cockpit Controls	X7-0815
2331	R	C105 Inner Wing Compression Panels	X7-0862
2332	A	Tests on C105 Plastic Model for Strength Investigation	X7-0802
+2336		Tests on Integral Tank Models of the C105 Wing Structure	X7-0862

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✓2341		Development of Methods for Retaining Bearings in Housings	X7-0815
→ +2344		Utility Hydraulics System Tests (u/c)	X7-0819
2345	A	Air intake and Engine Installation Tests	X7-0825
2349	R	Outer Wing Posted Box	X7-0864
+✓2351		Static Tests of Completed Aircraft	X7-0810
2354	R	Fin Multi-Spar Box Bending & Torsion Tests	X7-0883
2355	R	Fuselage Former Stiffness Test	X7-0852
2356	R	Engine Intake Duct Pressure Test	X7-0852
✓2358		Windscreen Temperature and Pressure Test	X7-0852
→ +2363		C105 Air Conditioning System Tests	X7-0822
+2376		Engine Intake Duct (Floating Assembly) Pressure Test	X7-0852
2377		Fatigue Test-Typical Skin Splice	X7-0860
2380	R	Elevator Stiffness and Limit Load Test	X7-0882
→ +2399		Electrical System Functional and Operational Tests	X7-0811
2402		Preliminary Elevator and Control System Response Tests	X7-0815
2403		Inner Wing Posted Box (Integral Skin and Stringers)	X7-0810
✓2408		Fuselage Side Skin Panels Under Shear Load	X7-0850
+2409		Fatigue Test of Pressure Pipes for Elevator Jack	X7-0815
✓2412		Fatigue Tests of Elevator Links	X7-0815
2418		Nash Booster Pump Test	X7-0816
✓2426		Transient Heating of Wing Fuel Tank Model	X7-0810
✓2430		Fuel Flow Proportioner Test	X7-0816
→ +2432		Hydraulic Line Connections for 4,000 p.s.i.	X7-0800
2435	R	Cockpit Floor Beam Crippling Test	X7-0852

1/4 inch later for p.c.

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<u>JOB NO</u>		<u>TITLE</u>	<u>ASSIGNMENT NO</u>
2441	R (NAE)	Performance Comparison of Three Different Ice Detectors	X7-0852
✓2442		Aileron Power Control Unit- Frequency Response Tests	X7-0815
2443		Qualification Testing on C100 Aircraft	5-008
2444		Qualification Testing on C105 Aircraft	X7-0800
✓2449		Functional Tests of Aileron Flying Control System	X7-0815
✓2450		Fuselage Compression Panel Tests (Magnesium)	X7-0850
2451		Stiffness Test of Light Formers in Power Plant Bay	X7-0856
2453	A	Static Test of Dive Brake	X7-0872
2455	R(NAE)	"Thin" Canopy Pressure Test	X5-532 (5-008 Office Time only)
2457		Fuselage Tank Pressure Test	X7-0854
→ ✓2462		Suitability of Wig-O-Flex Pipe and Boss Couplings for <u>L.P.</u> Hydraulics	X7-0815
2470	A	Fatigue Test for Elevator Jack Fitting	X7-0852
✓2472		Canopy Functioning Tests	X7-0853
2474		Stress Survey of C100 Main U/C Leg and Pivots	5-008
✓2478		Longeron Joint at STA.485 - Fatigue Test	X7-0854
2480	R (NAE)	De-Icing Tests	X7-0820
✓2481		Fatigue Tests of Bonded ZE-41 MG alloy sheets.	X7-0810
2482	F	Cold Temperature Pressure Drop of Elevator Servo Valve	X7-0815
2483		Static Strength and Fatigue Tests-Skin Splice at CFS and CRS	X7-0862
✓2489		Shear Test of Countersunk and Dimpled Hi-Shear Rivets in Clad 75 S-T6 Sheet.	X7-0856
✓2492		Rudder System Tests	X7-0815
2497		Fatigue Test of Wing to Fuselage Hinged Joint.	X7-0858

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+ 2498		Rudder Jack and Valve Tests	X7-0815
2499	F	Flareless Tube Fittings-Tightening Torque Vs Displacement	X7-0819
2502	R	Shear Test of NAS Bolts with Sealing Grooves	X7-0862
+ 2503	<i>WAB</i>	Tests of Steel Tubing and Fittings for Hydraulic Systems	X7-0819
+ 2504		Aileron Jacks, Pressure Lines Fatigue Tests	X7-0819
2505		Fatigue Test of Canopy Latch	X7-0853
2506	A	Speed Brakes Functional and Endurance Tests	X7-0815
2507	A	Performance of Liquid Oxygen System	X7-0821
+ 2509		Fatigue Test on Light Former Joint at Lower Longeron	X7-0858
+ 2510		Fatigue Tests on Heavy Former Joint at Lower Longeron	X7-0858
2512		Flexure Test of AN-22 Cable in a Complete Bundle of AN-20 and AN-22 Cables	X7-0800
+ 2514		Electrical Power System Tests <i>C.S.U. not avail. - not in test</i>	X7-0811
2515		Temperature and Pressure Tests of Pilot's Canopy Glass	X7-0853
2521		Endurance Flexing Test of Rear Spar F/C Hydraulic Lines	X7-0819
2524		Duct Insulation Test	X7-0822
2529	R	Evaluation of Flying Control Hydraulic Compensator	X7-0832
+ 2530		Fatigue Test of Engine Bleed Ducting at STA. 485	X7-0822
2532	R	Main Undercarriage Investigation on A/C 18237	5-652
2533		Dunlop Maxaret Tests	5-008
2534		Rudder Stiffness and Limit Load Test	X7-0884
2535		Rudder Pedal Adjustment	X7-0852
2539		Evaluation of 'O' Ring Materials	X7-0832

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X2544	Evaluation of the Elevator Control Valves	X7-0815
2545 R	Blind Rivet Test	5-678
2546	Bendix Brakes Mock-up	5-615
2548	Strain Gauging of Ring Type Dynamometers	53322-10409-02
2549	Aileron Stiffness and Limit Load Test	X7-0874
2550	Fin Rib Shear and Bending Strength Test	X7-0883
2551	Fairey Hydro-Booster - Contamination Testing	5-587
2553	Model Test of Engine Firewall	X7-0858
2554	Pressure Testing of Free Flight Model Ducts	X7-0802
2555	Torsional Strength and Rigidity of Honeycomb	1-027
2557	To Check the Effect of Variations of Interference in Shafer Bearings	X7-0864
X2558	Investigation of Pressure Drop and Fatigue Properties of 7 GPM Filter Element	X7-0819
2561	Casting-Aileron Pivot Support CSC 2001	X7-0810
2562	Casting-Lever Aileron Pivot CSC-2000	X7-0810
2563	Casting-Elevator Lever-Control Column	X7-0810
2564	Casting-Hinge Member-Control Column	X7-0810
2566	Casting CS-C-2034 Pulley Bracket-Stn.187RH	X7-0810
✓2567 <i>in store not started</i>	CS-C-2035 Pulley Bracket Stn.194 2RH	X7-0810
2568	CS-C-2003 Hinge Bracket-Control Column	X7-0810
2569	CS-C-2011 Aileron Lever	X7-0810
2571	CS-C-2020 Aileron Feel Lever	X7-0810
2572	CS-C-2017 Elevator Stop Bracket	X7-0810
2576	CS-C-2044 Elevator Quadrant Lever	X7-0810
2577	CS-C-2045 Bob Weight Lever	X7-0810
✓2578 <i>complete</i>	CS-C-2042 Elevator Quadrant Support Bracket	X7-0810
✓2579 <i>complete</i>	CS-C-2043 Elevator Quadrant Support Bracket	X7-0810

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2581	CS-C-2062 Lever-Throttle Quadrant Mtg.	X7-0810
2582	CS-C-2060 Throttle Quadrant	X7-0810
✓ 2621	<i>Tail</i> Parachute Release Mechanism Functional Test	X7-0831
2622	Measurement of Tailplane Deflections under Point Loads	5-008
✓ 2623	Functional Tests on Automatic Quick Disconnect Couplings for Ground Energizers	X7-0800
✓ 2624	Evaluation of Nylon for Cable Fairleads	X&-0800
2625	Canopy Seal Inflation System Test	X7-0853
2626	Pressure Test of Wing Tip Fuel Tank	X1-026
2627 F	Canopy Explosive Link Firing	5-008
2628 F	Measurement of Rear Fuselage Bending under Tailplane loads	5-008
2629	Model Test of Insulation Blanket	X7-0858
✓ 2630	Pressure Control Valve, Reducing Valve Circuit Test	7-0858
2631	Test of Centre Section Structure with Modification 1006 under landing gear loads	5-594
2632	To gauge and Pressure Test Six Ring Dynamometers	53321-10610-02
2633	To Strain Gauge One Ring Dynamometer	53321-10610-02
✓ 2634	Fatigue Test on Light Former Joint to Lower Longerons at Access Door	X7-0856