



ATTACHMENT 26

AIRWORTHINESS GROUP CHAIRMAN'S FACTUAL REPORT

LAX-02-GA-201

FrequencyEmpennage, Zone 300 - (cont'd)

7. Remove and visually inspect elevator and rudder control surfaces and bearings and attach bolts, trim tab hinges and trim tab actuator attachments for condition and security. 12,600

Wings, Zones 500 & 600

1. Visually inspect bleed air system IAW T.O. 1C-130A-2 series for leaks. Correct defects found IAW T.O. 1C-130A-2 series. Repeat above process until all visual defects are corrected. Do not repeat process if no defects are found. > 48 Months
2. Inspect the center wing surface panels for cracks IAW T.O. 1C-130A-36 in the following areas: >
3. Inspect CWS 214 left & right upper surface stringer numbers 2 and 5 at the last inboard fastener hole common to the stringer and the wing joint doubler. With CWS 220 joint covers removed, inspect within a one inch radius of the above described fastener IAW T.O. 1C-130A-36, CW-8. Correct discrepancies found IAW T.O. 1C-130A-3. > 2,400
4. Inspect upper beam cap forward flange CWS 50.5 through CWS 82.5 left and right IAW T.O. 1C-130A-36, CW-5. Correct discrepancies found IAW T.O. 1C-130-3. > 2,400
5. Inspect the center wing lower surface CWS 220 left to CWS 220 right IAW T.O. 1C-130A-36, CW-21. > 2,400
6. Inspect the center wing upper surface panels No. 1 and 2 for cracks in the area of the inboard termination of the internal doubler for the dry bay access opening IAW T.O. 1C-130A-36, CW-9. Correct discrepancies found IAW T.O. 1C-130A-3. > 2,400
7. Visually inspect (not jacked) CWS 214 through CWS 220 right and left interior side of upper wing joint fitting, upper front and rear corner fittings and adjoining structure for corrosion, cracks and loose or missing fasteners. Verify cracks IAW methods in T.O. 1C-130A-36, CW-14. Clean and treat corrosion found, correct discrepancies found IAW T.O.'s 1C-130A-3 and 1C-130A-23. 48 Months

1 March 1995

III-14

FrequencyWings, Zones 500 & 600 - (cont'd)

- | | | |
|-----|---|-----------|
| 8. | Visually inspect interior and exterior center wing box beam lower surface panels, spar caps and webs from BL 61 left to BL 61 right for corrosion, cracks, loose or missing fasteners and severely degraded finish systems. Clean and treat corrosion found, correct discrepancies found and reapply finish systems IAW T.O.'s 1-1-8, 1C-130A-3 and 1C-130A-23. > | 48 Months |
| 9. | Visually inspect the front and rear beam upper and lower caps and the webs for corrosion, cracks and loose and missing fasteners. Clean and treat corrosion found and correct discrepancies found IAW T.O.'s 1C-130A-3 and 1C-130A-23. > | 48 Months |
| 10. | Inspect center wing upper aft spar cap at CWS 20 IAW T.O. 1C-130A-36, Inspection # CW-1. > | 2,400 |
| 11. | Visually inspect center wing forward and aft spar caps, spar webs, and exposed center wing structure, CWS 84L to CWS 84R, for corrosion and cracks. Correct defects found IAW T.O.'s 1C-130A-3 and 1C-130A-23. > | 48 Months |
| 12. | Remove access covers and visually inspect the center and outer wing dry bays for cracks and corrosion and degraded finish system. Mask or plug drain holes, and strip finish system only as necessary to treat corrosion or replace degraded finish systems. Use chemical strippers or abrasive blasting with MIL-G-5634, Type III, black walnut shells, per T.O. 1-1-8. Ensure condensation drain holes are clear and unobstructed. Clean and treat corrosion found and correct discrepancies found IAW T.O.'s 1C-130A-3 and 1C-130A-23. > | 48 Months |
| 13. | NDI the center wing front upper cap flange from CWS 50 to CWS 70 and rear upper cap flange from CWS 15 to CWS 25 and CWS 50 to CWS 70 IAW T.O. 1C-130A-36, CW 19. @ | 2,400 |
| 14. | Inspect the center wing upper and lower surface corner fittings and <u>lower beam caps</u> for cracks at CWS 214 to CWS 220 front and rear spars inside and outside, IAW T.O. 1C-130A-36, CW 15 & 16. @ | 2,400 |
| 15. | Accomplish the effort listed in subsequent outer wing paragraphs. > | |

1 March 1995

III-15

HAWKINS AND POWERS AVIATION, INC.
P. O. BOX 391
GREYBULL, WYOMING 82426

HP-C-130A INSPECTION GUIDE

15 April 1995
SHEET NO 13

STRUCTURAL INSPECTION PROGRAM

ITEM NO.	INSPECTION REQUIREMENT	DUE THIS INSPECTION		
		NO	YES	MECH
	Empennage-cont'd			
7)	Remove and visually inspect elevator and rudder control surfaces and bearings and attach bolts, trim tab hinges and trim tab actuator attachments for condition and security, every 12,600 hours.	_____	_____	_____
	Wings			
1)	Visually inspect bleed air system IAW T.O. 1C-130A-2 series for leaks. Correct defects found IAW T.O. 1C-130A-2 series. Repeat above process until all visual defects are corrected. Do not repeat process if no defects are found, every 48 months.	_____	_____	_____
2)	Inspect the center wing surface panels for cracks IAW T.O. 1C-130A-36 in the following areas:			
3)	Inspect CWS 214 left and right upper surface stringer numbers 2 and 5 at the last inboard fastener hole common to the stringer and the wing joint doubler. With CWS 220 joint covers removed, inspect within a one inch radius of the above described fastener IAW T.O. 1C-130A-36, CW-8. Correct discrepancies found IAW T.O. 1C-130A-3 every 2,400 hours.	_____	_____	_____
4)	Inspect upper beam cap forward flange CWS 50.5 through CWS 82.5 left and right IAW T.O. 1C-130A-36, CW-5. Correct discrepancies found IAW T.O. 1C-130-3 every 2,400 hours.	_____	_____	_____
5)	Inspect the center wing lower surface CWS 220 left to CWS 220 right IAW T.O. 1C-130A-36, CW-21 every 2,400 hours.	_____	_____	_____
6)	Inspect the center wing upper surface panels No. 1 and 2 for cracks in the area of the inboard termination of the internal doubler for the dry bay access opening IAW T.O. 1C-130A-36, CW-9. Correct discrepancies found IAW T.O. 1C-130A-3 every 2,400 hours.	_____	_____	_____

Work Sheet Audit Record

N _____

WO _____

All Items/Work Orders Completed, Inspector: _____ Date _____

HAWKINS AND POWERS AVIATION, INC.
P. O. BOX 391
GREYBULL, WYOMING 82426

15 April 1995
SHEET NO 14

HP-C-130A INSPECTION GUIDE

STRUCTURAL INSPECTION PROGRAM

ITEM NO.	INSPECTION REQUIREMENT	DUE THIS INSPECTION		
		NO	YES	MECH
Wings-cont'd				
7)	Visually inspect (not jacked) CWS 214 through CWS 220 right and left interior side of upper wing joint fitting, upper front, and rear corner fittings and adjoining structure for corrosion, cracks and loose or missing fasteners. Verify cracks IAW method in T.O. 1C-130A-36, CW-14. Clean and treat corrosion found, correct discrepancies found IAW T.O.'s 1C-130A-3 and 1C-130A-23 every 48 months.	—	—	—
8)	Visually inspect interior and exterior center wing box beam lower surface panels, spar caps and webs from BL 61 left to BL 61 right for corrosion, cracks, loose or missing fasteners and severely degraded finish systems. Clean and treat corrosion found, correct discrepancies found and reapply finish systems IAW T.O.'s 1-1-8, 1C-130A-3 and 1C-130A-23 every 48 months.	—	—	—
9)	Visually inspect the front and rear beam upper and lower caps and webs for corrosion, cracks and loose and missing fasteners. Clean and treat corrosion found and correct discrepancies found IAW T.O.'s 1C-130A-3 and 1C-130A-23 every 48 months.	—	—	—
10)	Inspect center wing upper aft spar cap at CWS 20 IAW T.O. 1C-130A-36, inspect #CW-1 every 2,400 hours.	—	—	—
11)	Visually inspect center wing forward and aft spar caps, spar webs, and exposed center wing structure, CWS 84L to CWS 84R, for corrosion and cracks. Correct defects found IAW T.O.'s 1C-130-3 and 1C-130A-23 every 48 months.	—	—	—
12)	Remove access covers and visually inspect the center and outer wing dry bays for cracks and corrosion and degraded finish system. Mask or plug drain holes, and strip finish system only as necessary to treat corrosion or replace degraded finish systems. Use chemical strippers or abrasive blasting with MIL-G-5634, Type III, black walnut shells, per T.O. 1-1-8. Ensure condensation drain holes are clear and unobstructed. Clean and treat corrosion found and correct discrepancies found IAW T.O.'s 1C-130A-3 and 1C-130A-23 every 48 months.	—	—	—

Work Sheet Audit Record

N _____

WO _____

All Items/Work Orders Completed, Inspector: _____ Date _____

HAWKINS AND POWERS AVIATION, INC.
P. O. BOX 391
GREYBULL, WYOMING 82426

HP-C-130A INSPECTION GUIDE

15 April 1995
SHEET NO 15

STRUCTURAL INSPECTION PROGRAM

ITEM NO.	INSPECTION REQUIREMENT	DUE THIS INSPECTION		
		NO	YES	MECH
	Wings-cont'd			
13)	NDI the center wing front upper cap flange from CWS 50 to CWS 70 and rear upper cap flange from CWS 15 to CWS 25 and CWS 50 to CWS 70 IAW T.O. 1C-130A-36, CW 19 every 2,400 hours.	—	—	—
14)	Inspect the center wing upper and lower surface corner fittings and lower beam caps for cracks at CWS 214 to CWS 220 front and rear spars inside and outside, IAW T.O. 1C-130A-36, CW15 & 16 every 2,400 hours.	—	—	—
15)	Accomplish the effort listed in subsequent outer wing paragraphs.			
a)	Remove leading edges including wing tip assembly, IAW T.O.'s 1C-130A-3 and T.O. 1C-130A-2 series. Visually inspect and correct safety of flight discrepancies IAW T.O. 1C-130A-3 every 2,400 hours.	—	—	—
b)	Purge the fuel tanks IAW T.O. 1C-130A-2 series and T.O. 1-1-3 and reduce fuel vapor level (LEL) to acceptable levels.	—	—	—
c)	Remove pylon tanks and pylon leading edge sections. Inspect pylon tanks and pylon leading edges for cracks and corrosion. Clean and treat corrosion and correct only safety of flight discrepancies found IAW T.O.'s 1C-130A-3 AND 1C-130A-23 every 48 months. Note: Visually inspect interior structure of pylon tanks requiring entry for corrosion and other obvious defects and inspect interior bladder cell of auxiliary tanks requiring entry for defects. Correct all discrepancies found.	—	—	—
d)	Visually inspect the forward and aft pylon attach fittings for corrosion and cracks. Additionally, inspect the bolts and attach holes IAW T.O. 1C-130A-36, Inspection #OW-19 and OW-20. Clean and treat corrosion found and correct safety of flight discrepancies only IAW T.O.'s 1C-130A-3 and 1C-130A-23. (N/A to aircraft that have had pylon tanks removed) Every 48 months.	—	—	—

Work Sheet Audit Record

N _____ WO _____

All Items/Work Orders Completed, Inspector: _____ Date _____