

F.A.A. 477

U. S. DEPARTMENT OF COMMERCE
CIVIL AERONAUTICS ADMINISTRATION

Form approved,
Budget Bureau No. 41-R6224

MAJOR REPAIR AND ALTERATION FORM (AIRFRAME, POWERPLANT, PROPELLER OR APPLIANCE)

1. AIRCRAFT	MAKE GRUMMAN	MODEL G-73	SERIAL NO. J-5	NATIONALITY AND REGISTRATION MARK N-74842
2. OWNER	NAME (First, middle, last) Madden & Smith Aircraft Corporation		ADDRESS (Street and number, city, zone and State) P. O. Box 186 Miami 48, Florida	

3. COMPLETE ONLY FOR UNIT REPAIRED AND/OR ALTERED. DESCRIBE WORK ACCOMPLISHED ON REVERSE IN ACCORDANCE WITH CIVIL AERONAUTICS MANUAL 18.

UNIT	MAKE	MODEL	SERIAL NO.	NATURE OF WORK (Check)	
				MAJOR REPAIR	MAJOR ALTERATION
a. AIRFRAME	***** (As described in item 1 above) *****				XX
b. POWERPLANT					
c. PROPELLER					
d. APPLIANCE	TYPE AND MANUFACTURER				

4. AIRCRAFT WEIGHT AND BALANCE DATA
*AFTER the repairs and/or alterations described below were made. This item must be completed by repair or alteration agency. However, in the case of a spare component, it will not be completed until such component is installed in an aircraft. At this time, it will be completed by the installing agency, if applicable.

CATEGORY	EMPTY WEIGHT (Pounds)*	EMPTY CENTER OF GRAVITY (Inches from datum)*	USEFUL LOAD (Pounds)*
Normal	9,642	219.26"	3,108

5. CONFORMITY STATEMENT (Complete and check)

a. AGENCY'S NAME AND ADDRESS Madden & Smith Aircraft Corp. P. O. Box 186 Miami 48, Florida	b. KIND OF AGENCY <input type="checkbox"/> U. S. Certificated Mechanic. <input type="checkbox"/> Foreign Certificated Mechanic. <input checked="" type="checkbox"/> Certificated Repair Station. <input type="checkbox"/> Manufacturer. <input type="checkbox"/> (Check if repair or alteration was made under delegation option procedures.)	c. CERTIFICATE NO. CRS #3642 A-1-3-4; AC-1-2; L-AC
--	--	--

I certify that the repair and/or alteration made to the unit(s) identified under item 3 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 18 of the U. S. Civil Air Regulations and that the information furnished herein is true and correct to the best of my knowledge.

10-24-62
(Date repair and/or alteration completed)
D. Ch. Sanguessa, Chief Inspector
(Signature of authorized individual)

6. APPROVAL FOR RETURN TO SERVICE (Check and complete appropriate items)
Pursuant to the authority specified below the unit identified in item 3 was inspected in the manner prescribed by the Administrator and is

APPROVED } BY { CAA Designee Manufacturer Canadian Department of Transport Inspector of Aircraft
 REJECTED } CAA Aviation Safety Agent Repair Station Other (Specify)

10-24-62
(Date of approval or rejection)
D. Ch. Sanguessa, Chief Inspector
(Signature of authorized individual; title or identification number)

7. TO BE COMPLETED ONLY BY CAA PERSONNEL

a. Forwarded for engineering comment See attached memorandum
b. Accepted: **10-26-62** (Date) Reinspected (Date) Spot Checked **38 OCT 31 1962** (Date)

SO GADO 5
(CAA designation number)
Thomas J. Sharp, IAW
(Signature Aviation Safety Agent)

RECORDED

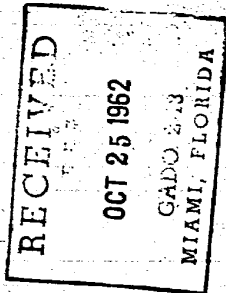
INSTRUCTIONS

This form must be completed in duplicate each time a major repair and/or alteration is made of an aircraft, airframe, power-plant, propeller or appliance. After the repair and/or alteration has been inspected and item 6 completed, the original copy of this form will be made available to the aircraft owner for retention as part of the aircraft records. The duplicate copy is retained by the CAA for administrative purposes.

See CAM 18 for detailed instructions concerning the information to be furnished with this form and instructions concerning its preparation.

6. DESCRIPTION OF WORK ACCOMPLISHED.*

Relocated both engine electric fuel booster pumps from engine mount to firewall in accordance with Grumman Aircraft Engineering Corporation approved drawing No. 108360. Weight change negligible.



*If additional space is needed attach additional sheets bearing aircraft nationality and registration mark and date work completed.
Check block if additional sheets are attached.

FAA AIRCRAFT REGISTRY
CAMERA NO.1 N DATE: 6-18-90

Telefax **WESTERN UNION** *Telefax*
COPY SENDING BLANK COPY

CALL LETTERS	CHARGE TO
B WAA 093 COLLECT WUX WALTHAM MASS 27 155 P EDT MADDEN AND SMITH AIRCRAFT CORP ATTN D SANGUESA MIAMI FLO	
OIL COOLER PN 48011 EQUAL TO PN36690 IN COOLING CHARACTERISTICS.	
J A DEVLIN MGR AIRCRAFT ENG STANDARD THOMSOM CORP.	

COPY COPY COPY

Send the above message, subject to the terms on back hereof, which are hereby agreed to

PLEASE TYPE OR WRITE PLAINLY WITHIN BORDER—DO NOT FOLD
1269—(R 4-55)

STATEMENT OF CONFORMITY

TO: FEDERAL AVIATION AGENCY

I, CLARENCE C. HOFFMAN, the holder of Mechanic Certificate
No. A & E 162745 IA, with Inspection Authorization Privileges and
Limitations, hereby certify that the aircraft GRUMMAN
Model G-73, Serial No. J-5, Registration
No. N74842, has been thoroughly inspected and found to conform
to established airworthiness data as follows:

1. Aircraft Specification A-783 Rev. 5.
2. Civil Air Regulations Part 4A.
3. Airworthiness directive notes through Card No. 62-16
complied with.
4. Supplemental types certificates Nos. NONE.
5. Complete historical records for the aircraft and engines
have been furnished with the aircraft.

*oil coolers approved as per wire from Eng Standard
THOMSON Corp. Use of P/N 48011 cooler.*

DATE 8-1-62

SIGNATURE

Clarence C. Hoffman

Name and Mailing Address (Please Print)

AIRTECH SERVICE, INC.

P.O. BOX 48-516

MIAMI 48, FLORIDA

CONFORMITY TO AD NOTES

GRUBMAN

MODEL G-73
SER. NO. J-5
REG. NO. N74812

- 48-3-4 Landing Gear Hose Guides - Previously C/W by complying with Service Bulletin # 3.
- 61-8-2 Rupt Safety Belts - C/W this inspection by change of safety belts.
- 57-5-4 Engine Crankshaft Cracking - C/W at Overhaul.
- 56-22-1 Prop. Blade Corrosion Barrier - C/W at Overhaul.

SIGNED

Clarence C. Hoffman

DATE

8/1/62

U. S. DEPARTMENT OF COMMERCE CIVIL AERONAUTICS ADMINISTRATION		Form Approved. Budget Bureau No. 41-R041.A	
APPLICATION FOR AIRWORTHINESS CERTIFICATE AND/OR ANNUAL INSPECTION OF AN AIRCRAFT		INSTRUCTIONS Please print or type. Submit this form to the Civil Aeronautics Administration Aviation Safety Field Representative.	
1. TYPE OF APPLICATION (Check which)			
a. <input checked="" type="checkbox"/> ORIGINAL ISSUANCE OF CERTIFICATE b. <input type="checkbox"/> ANNUAL INSPECTION FOR RENEWAL OF CERTIFICATE c. <input type="checkbox"/> AMENDMENT OR MODIFICATION OF CURRENT CERTIFICATE		d. <input type="checkbox"/> RECERTIFICATION UNDER THE PROVISIONS OF CAR 1 e. <input type="checkbox"/> MULTIPLE CERTIFICATE UNDER THE PROVISIONS OF CAR 1 f. <input type="checkbox"/>	
2. AIRWORTHINESS CLASSIFICATION (Check appropriate item(s)) It is requested that the Certificate of Airworthiness be issued to permit operation of the aircraft in the following airworthiness classification(s):			
a. <input checked="" type="checkbox"/> STANDARD (NORMAL, UTILITY, ACROBATIC, TRANSPORT CATEGORIES) b. <input type="checkbox"/> LIMITED (SEE CAR 9) c. <input type="checkbox"/> RESTRICTED (SEE CAR 8) (Check the restricted special purpose operation(s) to be conducted)			
<input type="checkbox"/> AGRICULTURAL AND PEST CONTROL <input type="checkbox"/> AERIAL ADVERTISING <input type="checkbox"/> AERIAL SURVEYING <input type="checkbox"/> GLIDER TOWING		<input type="checkbox"/> PATROLLING <input type="checkbox"/> FOREST AND WILDLIFE CONSERVATION <input type="checkbox"/> WEATHER CONTROL <input type="checkbox"/> OTHER	
d. <input type="checkbox"/> EXPERIMENTAL (Check the type of experimental operation(s) to be conducted)			
<input type="checkbox"/> RESEARCH AND DEVELOPMENT <input type="checkbox"/> AMATEUR-BUILT <input type="checkbox"/> DEMONSTRATION		<input type="checkbox"/> RACING <input type="checkbox"/> EXHIBITION <input type="checkbox"/> OTHER	
3. AIRCRAFT IDENTIFICATION (Complete all items)			
a. AIRCRAFT MAKE GRUMMAN		b. AIRCRAFT MODEL G-73	c. AIRCRAFT SERIAL NO. J-5
d. ENGINE MAKE PRATT & WHITNEY		e. ENGINE MODEL S3H1	
4. AIRCRAFT REGISTRATION INFORMATION (Complete all items)			
a. REGISTERED OWNER'S FULL NAME MADSEN & SMITH AIRCRAFT, CORP.		b. PERMANENT MAILING ADDRESS P.O. BOX 186 MIAMI 48, FLORIDA	c. AIRCRAFT NATIONALITY AND REGISTRATION MARK N-74812 168 W
5. AIRCRAFT OWNER'S CERTIFICATION (Check and complete appropriate item) I hereby certify that I am the registered owner (or his agent) of the aircraft identified in Item 3 above which is registered* with the Civil Aeronautics Administration as required by the Regulations of the Administrator, Part 501 or 502 and when operated displays the following evidence of registration:			
a. <input type="checkbox"/> CERTIFICATE OF REGISTRATION, FORM ACA-500 (PART A). DATE OF ISSUE _____			
b. <input checked="" type="checkbox"/> APPLICATION FOR REGISTRATION, FORM ACA-500 (PART B). FORM ACA-500, PART A, FORWARDED TO CAA AIRCRAFT RECORDS BRANCH, W-300 ON <u>5-18-62</u> (DATE)			
c. <input type="checkbox"/> DEALER'S REGISTRATION CERTIFICATE, FORM ACA-1707, DATED _____			
<small>*In order to be eligible for registration an aircraft must be owned by a citizen of the United States, as defined by Section 1 (12) of the Civil Aeronautics Act of 1938, as amended.</small>			
ATTACHMENTS (Check which)		(SIGNATURE OF REGISTERED OWNER OR AUTHORIZED AGENT) <i>Clarence C. Hoffman, Agent</i>	
<input type="checkbox"/> ACA-319 <input checked="" type="checkbox"/> WEIGHT AND BALANCE REPORT <input checked="" type="checkbox"/> ACA-327 <input type="checkbox"/> DATA, DRAWINGS, ETC. <input type="checkbox"/> ACA-317 <input type="checkbox"/> UNAPPROVED DEVIATION DATA		7-31-62 (DATE) CHIEF INSPECTOR (TITLE)	

A.C.U.
SEP 13 1962
P.H.

RS

46

U. S. DEPARTMENT OF COMMERCE
CIVIL AERONAUTICS ADMINISTRATION

AIRCRAFT INSPECTION REPORT

(To be completed by a CAA representative or approved repair station)

The aircraft described in Item 3 on the reverse of this form has been inspected and found to conform to the following:
(Check and complete applicable items)

1. AIRCRAFT AND ENGINE CERTIFICATION BASIS

- a. AIRCRAFT SPECIFICATION NO. A-783 THROUGH SHEET REVISION NO. 5
- b. AIRCRAFT LISTING PAGE NO. _____
- c. AIRWORTHINESS DIRECTIVE SUMMARY 60-26-5 THROUGH CARD NO. 62-16
(YEAR)
- d. CIVIL AIR REGULATION PART 6 (MODIFIED TYPE CERTIFICATE)

2. AIRCRAFT AND ENGINE OPERATING RECORDS

- a. AIRCRAFT NEW—NO PREVIOUS OPERATION OR MAINTENANCE HISTORY
- b. COMPLIANCE WITH APPLICABLE AIRWORTHINESS DIRECTIVES RECORDED
- c. AIRCRAFT RECORDS INDICATE THE AIRFRAME HAS BEEN OPERATED A TOTAL OF 3501:15 HOURS
- d. ENGINE RECORDS INDICATE THE FOLLOWING OPERATION:

SERIAL NO. <u>P-327937</u>	TOTAL HOURS <u>2187:10</u>	(<u>710:03</u> T.S.O.)
SERIAL NO. <u>P-327935</u>	TOTAL HOURS <u>2276:52</u>	(<u>35:42</u> T.S.O.)
SERIAL NO. _____	TOTAL HOURS _____	
SERIAL NO. _____	TOTAL HOURS _____	

3. PREVIOUS INSPECTION RECORD (INSPECTION RECORDED ON FORM ACA-319)

- a. LAST AIRWORTHINESS INSPECTION CONDUCTED 8-1-62 (DATE)
 - BY AIRCRAFT MANUFACTURER
 - BY APPROVED REPAIR STATION, CERTIFICATE NO. 4241
 - BY MECHANIC, CERTIFICATE NO. _____
- b. PERIODIC AIRCRAFT INSPECTION REPORT, FORM ACA-319, WAS RETURNED TO OWNER

4. AIRWORTHINESS DOCUMENTS ISSUED OR REVIEWED

- a. OPERATION LIMITATIONS, FORM ACA-308, WAS ISSUED (COPY ATTACHED)
 - b. CURRENT OPERATION LIMITATIONS, FORM ACA-308, IS AVAILABLE IN AIRCRAFT
 - c. CURRENT APPROVED AIRPLANE FLIGHT MANUAL IS AVAILABLE IN AIRCRAFT
 - d. CURRENT WEIGHT AND BALANCE INFORMATION IS AVAILABLE IN AIRCRAFT
 - e. THIS INSPECTION HAS BEEN RECORDED IN THE AIRCRAFT RECORDS
 - f. CERTIFICATE OF AIRWORTHINESS, FORM ACA-1362, ISSUED TO EXPIRE In accordance with Part 43 (DATE)
 - g. PREVIOUS FORM ACA-1362 WAS ISSUED TO EXPIRE _____ (DATE)
- BY _____ (NAME OF ISSUING REPRESENTATIVE) (DESIGNATION NO.)

5. CAA APPROVED REPAIR STATION CERTIFICATION

The aircraft described on the reverse has been inspected under the authority accorded certificated repair station No. _____ by CAB/52 and was found to be:

AIRWORTHY
 UNAIRWORTHY

(REPAIR STATION AUTHORIZED SIGNATURE) (DATE)

6. CAA REPRESENTATIVE CERTIFICATION

I HAVE INSPECTED THE AIRCRAFT DESCRIBED ON THE REVERSE AND FOUND IT AIRWORTHY UNAIRWORTHY
(Check appropriate item)

DESIGNEE'S SIGNATURE _____	DESIGNATION NO. _____	DATE ____/____/____
AVIATION SAFETY AGENT'S SIGNATURE <u>Walter L. Krueger</u>	CAA DESIGNATION NO. <u>GADO-5</u>	DATE <u>8/2/62</u>
<input type="checkbox"/> ATTACHMENT		<input checked="" type="checkbox"/> ACCEPTED <input type="checkbox"/> REINSPECTED <input type="checkbox"/> SPOT CHECKED

6.5 hrs

FEDERAL AVIATION AGENCY				Form approved. Budget Bureau No. 41-2052.4	
MAJOR REPAIR AND ALTERATION FORM (AIRFRAME, POWERPLANT, PROPELLER OR APPLIANCE)					
1. AIRCRAFT	MAKE GRUBMAN	MODEL G-73	SERIAL NO. J-5	NATIONAL TYPE REGISTRATION MARK N74042	
2. OWNER	NAME (First, middle, last) MADDEN & SMITH AIRCRAFT, CORP.		ADDRESS (Street and number, city, zone and State) P.O. BOX 188 MIAMI 48, FLORIDA		
3. COMPLETE ONLY FOR UNIT REPAIRED AND/OR ALTERED. DESCRIBE WORK ACCOMPLISHED ON REVERSE IN ACCORDANCE WITH CIVIL AERONAUTICS MANUAL 18.					
UNIT	MAKE	MODEL	SERIAL NO.	NATURE OF WORK (Check)	
				MAJOR REPAIR	MAJOR ALTERATION
a. AIRFRAME	***** (As described in item 1 above) *****				
b. POWERPLANT					
c. PROPELLER					
d. APPLIANCE	TYPE AND MAKE OF APPLIANCE R & L FIAPS- R & L Elevator		GRUBMAN G-73		<input checked="" type="checkbox"/>
4. AIRCRAFT WEIGHT AND BALANCE DATA This item must be completed by repair or alteration agency. However, in the case of a spare component, it will not be completed until such component is installed in an aircraft. At this time, it will be completed by the installing agency, if applicable. <i>*AFTER the repairs and/or alterations described below were made.</i>					
CATEGORY	EMPTY WEIGHT (Pounds)*	EMPTY CENTER OF GRAVITY (Inches from datum)*		USEFUL LOAD (Pounds)*	
NORMAL	9,642	219.26"		3,108	
5. CONFORMITY STATEMENT (Complete and check)					
a. AGENCY'S NAME AND ADDRESS AIRTECH SERVICE, INC. P.O. BOX 48-516 MIAMI 48, FLORIDA		b. TYPE OF AGENCY <input type="checkbox"/> U. S. Certificated Mechanic. <input type="checkbox"/> Foreign Certificated Mechanic. <input checked="" type="checkbox"/> Certificated Repair Station. <input type="checkbox"/> Manufacturer. <input type="checkbox"/> (Check if repair or alteration was made under delegation option procedures.)		c. CERTIFICATE NO. 4241 AIRFRAME WITH LIMITED RATINGS	
d. I certify that the repair and/or alteration made to the unit(s) identified under item 3 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 18 of the U. S. Civil Air Regulations and that the information furnished herein is true and correct to the best of my knowledge. 6-27-62 (Date repair and/or alteration completed) <i>Clarence C. Hoffman</i> (Signature of authorized individual)					
6. APPROVAL FOR RETURN TO SERVICE (Check and complete appropriate items) Pursuant to the authority specified below the unit identified in item 3 was inspected in the manner prescribed by the Administrator of the Federal Aviation Agency and is					
<input checked="" type="checkbox"/> APPROVED } BY { <input type="checkbox"/> FAA Designee <input type="checkbox"/> Manufacturer <input type="checkbox"/> Canadian Department of Transport Inspector of Aircraft <input type="checkbox"/> REJECTED } <input type="checkbox"/> FAA Flight Standards Inspector <input checked="" type="checkbox"/> Repair Station <input type="checkbox"/> Other (Specify)					
6-27-62 (Date of approval or rejection) <i>Clarence C. Hoffman</i> CHIEF INSPECTOR (Signature of authorized individual, title or identification number)					
7. TO BE COMPLETED ONLY BY FAA PERSONNEL					
<input type="checkbox"/> Forwarded for engineering comment <input type="checkbox"/> See attached memorandum <input checked="" type="checkbox"/> Accepted 8/21 (Date) <input type="checkbox"/> Reinspected _____ (Date) <input type="checkbox"/> Spot Checked _____ (Date)					
SO G8DO 5 (FAA designation number)			<i>Walter L. Ryple</i> (Signature Flight Standards Inspector)		

INSTRUCTIONS

This form must be completed in duplicate each time a major repair and/or alteration is made of an aircraft, airframe, powerplant, propeller or appliance. After the repair and/or alteration has been inspected and item 6 completed, the original copy of this form will be made available to the aircraft owner for retention as part of the aircraft records. The duplicate copy is retained by the FAA for administrative purposes.

See CAM 18 for detailed instructions concerning the information to be furnished with this form and instructions concerning its preparation.

8. DESCRIPTION OF WORK ACCOMPLISHED.*

Recovering of right and left ailerons, right and left wing flaps, right and left elevators and rudder.

Frames were cleaned and minor repairs accomplished. Frames were spot primed as necessary. All surfaces were covered with Grade "A" aircraft fabric, Spec. AMS 3806 (TSO-C15) as called out in Table 3-1 on page 128 of CAM 18. Fabric was attached as the original with lock wire.

All ribs, seams and chafe points covered with surface tape MIL-T-5083 as specified in Table 3-2 of CAM 18. Fabric was finished with nine coats of clear and two coats of aluminum nitrate dope. Installed on aircraft described on reverse side.

----- NOTHING FOLLOWS -----

*If additional space is needed attach additional sheets bearing aircraft nationality and registration mark and date work completed.

Check block if additional sheets are attached.

MADDEN & SMITH AIRCRAFT CORPORATION
F.A.A. APPROVED REPAIR STATION NO. 2642
P. O. BOX 196, INTERNATIONAL AIRPORT BRANCH
MIAMI 48, FLORIDA

W.O. # 795 WEIGHT AND BALANCE REPORT Page 1 of 3 pages
Date Weighed 7-23-62 Model No. Cessna 6-73 Serial No. J-5
Registration No. N-74842 Weighed by D. Ch. Sanguesa

I. This airplane was weighed under the following conditions:

1. Airplane weighed in closed hanger.
2. Airplane in level flight attitude.
3. Fuel tanks empty.
4. Standard equipment in plane.
5. ~~Oil supplied by firm.~~
6. Platform scales used. (Fairbanks Morse 15,000 lbs.)

II.

ITEM	SCALED READING	TARE	NET WEIGHT (lbs)	ARM (Inches)	MOMENT (Inch-lbs)
LEFT MAIN	4330	0	4330	--	--
RIGHT MAIN	4355	0	4355	--	--
SUB-TOTAL (Both Main)	8685	0	8685		
NOSE				238.0	2,067,030.0
TAIL	1025	0	1025	60.0	61,500.0
TOTAL AS WEIGHED	9710	0	9710	219.21	2,128,530.0
OIL 9 gals.	- 68	--	- 68	212.0	14,416.0
	--	--	--	--	--
	--	--	--	--	--
	--	--	--	--	--
EMPTY WEIGHT	9642	0	9642	219.26	2,114,114.0

- * Total of items weighed but not part of empty weight.
/ Total of empty weight items not in airplane when weighed.

M-62A

MADSEN & SHIMM AIRCRAFT CORPORATION

WEIGHT AND BALANCE

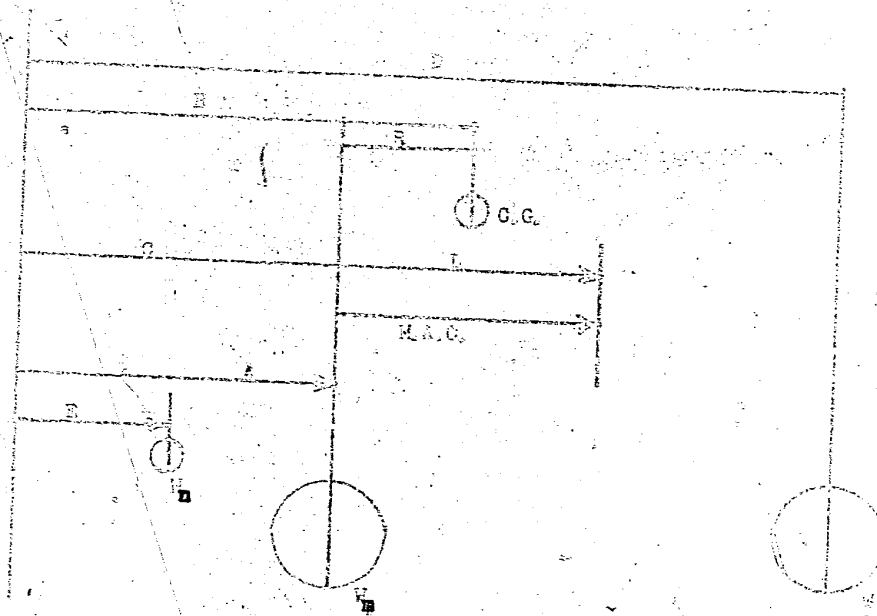
Date: 7-23-62

Model: C-73

74842

Page 2

BALANCE DIAGRAM



- A = +238.0" (Measured)
- B = --- (Measured)
- E = +60.0" (Measured)
- F = $\frac{(W_m)A + (W_n)E}{W_m + W_n} = 219.26$ Inches
- G = 203.38 Inches (Mfg. Constant)
- L = 86.48 Inches (Mfg. Constant)
- M = 15.88 Inches
- N (M.A.C.) = M (100) = 18.36

MADSEN & SMITH AIRCRAFT CORPORATION

WEIGHT AND BALANCE

DATE 7-23-62 MODEL G-73 REGISTRATION N-74842

IV. RESULTS:

GROSS WEIGHT	<u>12,750</u>	lbs.
EMPTY WEIGHT	<u>9,642</u>	lbs.
USEFUL LOAD (CARGO)	<u>---</u>	lbs.
USEFUL LOAD (PASSENGER)	<u>3,108</u>	lbs.
EMPTY C.G. (FROM REF. DATUM)	<u>219.26</u>	Inches
EMPTY C.G. (FROM C.A.A. DATUM)	<u>-14.39</u>	Inches
C.G. (FROM L.E.M.A.G.)	<u>15.88</u>	Units
C.G. (C.A.A.G.)	<u>18.36</u>	Units

V. LOADING

INITIAL INDEX :

POP COX & STEVENS
 LOAD ADJUSTER.

MODEL NO. --- I = ---

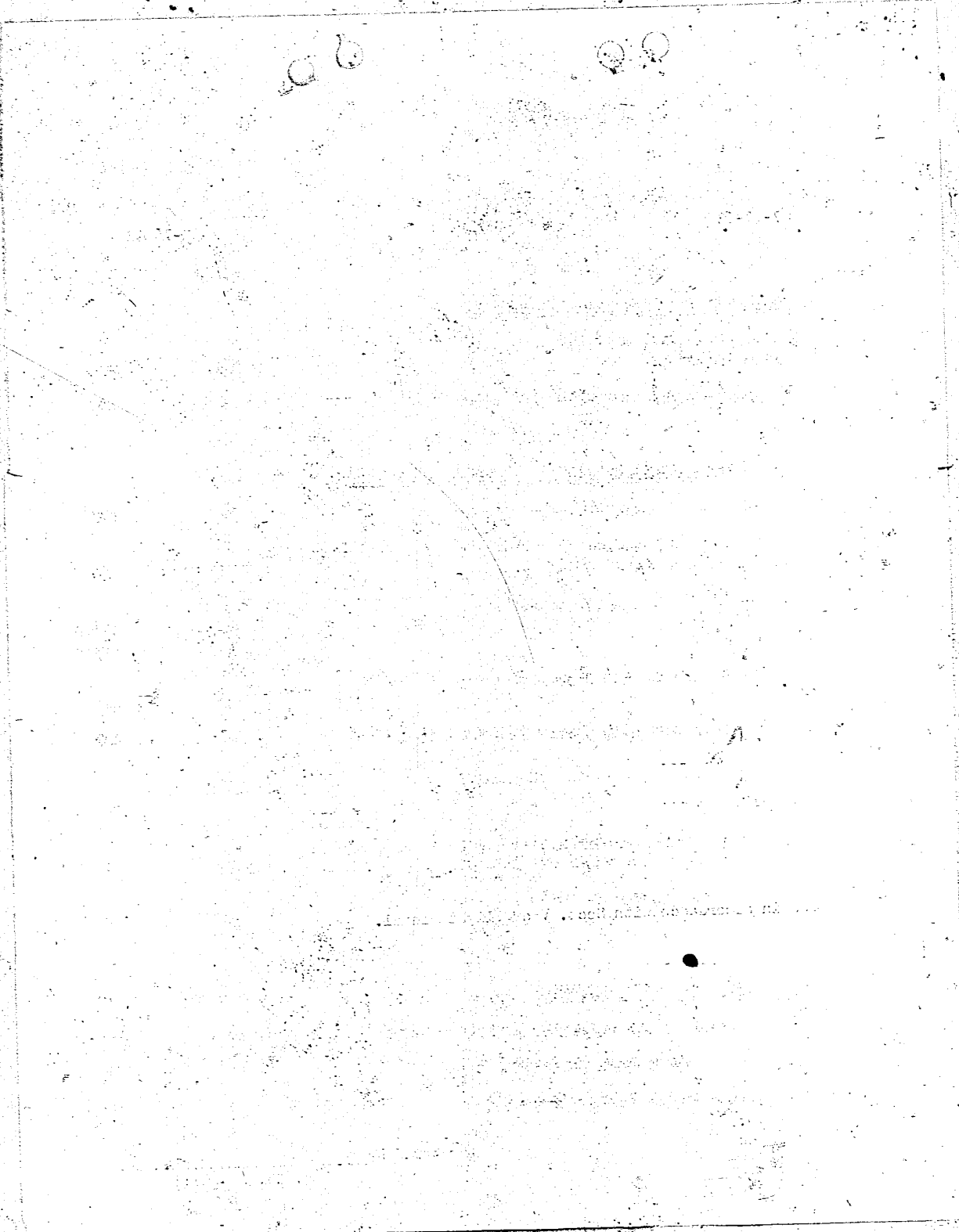
SERIAL NO. --- UITS ---

VI. REMARKS:

Load in accordance with Sect. V of Flight Manual.

Prepared by D. Ch. Sanguesa
 D. Ch. Sanguesa

FAA AIRCRAFT REGISTRY
CAMERA NO.1 N DATE: 6-18-90



Madden &
SMITH AIRCRAFT CORPORATION

FAA Copy

WEIGHT REPORT

795
Manufacturer: **Grumman** Model: **Mallard** Serial: **J-5**
Registration: **N-74842** Date: **7-23-62** Time: **8:00 AM**
Owner: **Madden & Smith Aircraft Corp.** Address: **P. O. Box 186, Miami 48, Fla.**

1. BEFORE ENTERING HANGER (Check lettering in parenthesis)
- (a) Fuel tanks empty
 - (b) Hydraulic tanks full
 - (c) Anti-ice tanks full **N.A.**
 - (d) Water tanks full **(Empty)**
 - (e) Flaps up
 - (f) All normal aircraft equipment in place
 - (g) Scales: **Used 3 Fairbanks Morse 15,000 lbs. platform scales**

2. AIRCRAFT PREPARED FOR WEIGHING
- (a) Make equipment check - Aircraft & Radio (c) Remarks: _____
 - (b) Scales zero'd (No load on scales)
 - (c) Hanger doors closed
 - (d) Aircraft leveled (Approve leveling location)
 - (e) Brakes off

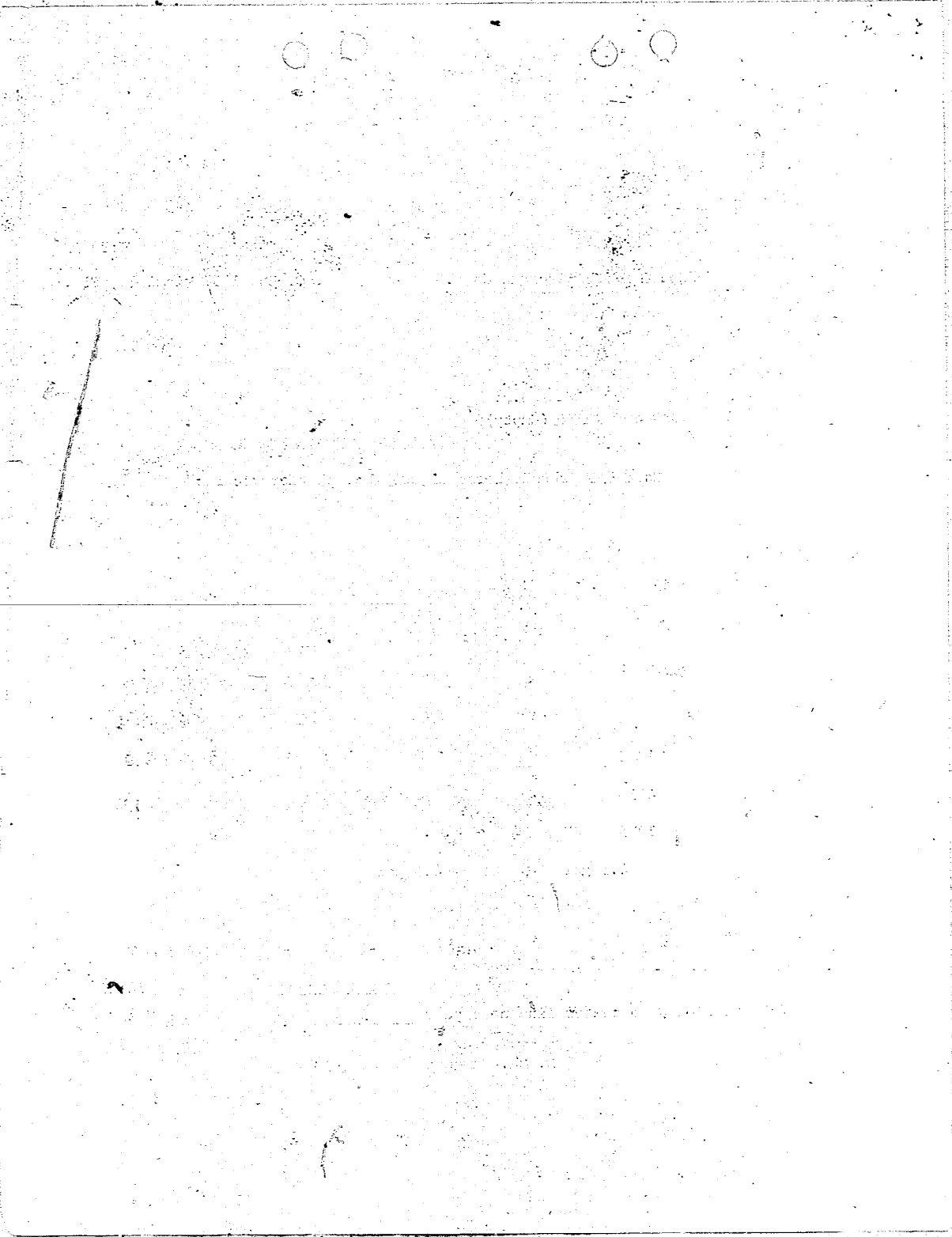
3. WEIGHTS RESULTS

Station	Scale	Wt. (Scale plus oil pans)
L/H Main	4330	0
R/H Main	4355	0
Tail or Nose	1025	0
Oil Quantity O.I.	4.5 gal	4.5 gal

4. MEASUREMENTS
- (a) Datum to center line main gear **-4"**
 - (b) Center line main gear to center line ~~XXXXXXXXXX~~
 - (c) **Station 0** to center line nose gear **5'**

Weighing Supervisor: *D. Ch. Sanguera*
 D. Ch. Sanguera
 Owner Representative: _____
 L.B. Chief Inspector: _____

FAA AIRCRAFT REGISTRY
CAMERA NO.1 N DATE: 6-18-90



FAA Copy.

MADSEN & SMITH AIRCRAFT CORPORATION
FAA Approved Repair Station No. 3642
Miami 48, Florida

Page 1 of 3

The following list of equipment was on board when Grumman Mallard aircraft Serial No. J-5, Registration N-74847 was weighed on July 23, 1962.

<u>ITEM NO.</u>	<u>ITEM</u>	<u>WEIGHT</u>	<u>ARM</u>
<u>PROPELLERS AND PROPELLER ACCESSORIES</u>			
0.	Two Hamilton Std. Propellers, hubs 23D40-51, blades 6533A-18	252	155
2.	Two Hamilton Std. Propeller Governors #4K11	6	163
<u>ENGINE AND ENGINE ACCESSORIES - FUEL & OIL SYSTEM</u>			
101.	Two Eclipse Starters #1416-15	27	192
102.	Two Aluminum Oil Coolers (Clifford 10" dia. x 9" long, 48011 with UAP 4 Port Valve #UD4785)	18	193
103.	Residual Fuel and Oil in Drained System Fuel - Oil -	30 84	218.5 185.7
105.	Two Elect. Driven Fuel Pumps, Thompson #TFD10300 & Peaco 2E-607	7	205
105.	One Surface Combustion Heater #ADS-100N-P416	90	439
<u>LANDING GEAR</u>			
201.	Two Aluminum Wheel Assemblies -Goodyear 9.50x16 (Incl. brakes, 10 ply Nylon Tires and Tubes)	120	237.5
202.	One Nose Wheel-Bendix #145308 19x6.80-10 (Incl. Fairing, 8 ply Nylon Tire and Tube)	37	60
<u>ELECTRICAL AND RADIO EQUIPMENT</u>			
301.	Two Generators - 100 Amp. Leeco-Neville #2473-612	32	175.5
302.	One Battery AN3150 34AH (12-TB-91)	73	230
303.	Two Landing Lights #G-3801 Grimes	7	220

MADDER & SMITH AIRCRAFT CORPORATION

Grumman Mallard

Serial No. J-5

Registration N-74842

Page 2 of 3
 7-23-62

<u>ITEM NO.</u>	<u>ITEM</u>	<u>WEIGHT</u>	<u>ARM</u>
<u>INTERIOR EQUIPMENT</u>			
401.	Miscellaneous Cabin Furnishings		
	(a) Three Passenger Chairs (Rear Cabin) with Safety belts	35	297
	(b) Two Passenger Chairs (Forward Cabin) with Safety belts	35	
	(c) One Divan (Forward Cabin) with Safety belts	92	188
	(d) One Hand Operated Dry Chemical Fire Extinguisher (2 1/2 LBS CO ₂)	7	140
<u>MISCELLANEOUS (Not Listed Above)</u>			
501.	One C.A.A. Approved Airplane Flight Manual	1	93
502.	Two Windshield Wiper Instal. (Rearfott)	4	102
503.	One Mt IV Danforth Anchor with 100 feet 3/4" Nylon Rope	19	60
504.	One Boarding Ladder (Stowed)	7	390
505.	1 ea. Position Light Flasher	2.1	200
506.	2 ea. Tail Light-Model C-Grimes - 1 Red - 1 White 32CP	.3	400
507.	1 ea. Pressure Gage Installation on Accumulator	.7	231
<u>RADIO COMPASS INSTALLATION</u>			
	EC-433 G Radio Compass Receiver	47.23	40
	LP-21 Automatic Loop	10.37	144
	MG-149 Inverter	19.	26
<u>COMMUNICATIONS RADIO & INTERPHONE</u>			
	ETA-1B Receiver, Transmitter, Amplifier & Mt. (Rear Compartment)	75.8	414
	Antenna (Wire)	1.5	315
	ARC-1 VHF Transceiver 50 Channel	46.0	130
	Collins 37J1 Antenna	3.5	387

MADDEN & SMITH AIRCRAFT CORPORATION

Grumman Mallard

Serial No. J-5

Registration N-74842

Page 3 of 3
 7-23-62

<u>ITEM</u>	<u>WEIGHT</u>	<u>ARM</u>
<u>MARKER BEACON INSTALLATION</u>		
MN-53A Marker Beacon Receiver & Mount (Rear Compt.)	17.0	416
"T" Antenna (Wire)	2.5	480
Miscellaneous Panels, Cables, Controls, etc.	48.4	132
<u>OMNI EQUIPMENT</u>		
416N - 1 Omni Power Supply	9.4	29
1D/48 Deviation Indicator	1.9	91
336A - 1 Omni Bearing Selector	2.0	91
37 P 2 Glidescope Antenna	3.1	105
Overhead Control Panel	3.0	128
R 89 B Glidescope Receiver	12.8	135
51 R 3 VHF Omni Navigation Receiver	31.0	127
37 J 2 VHF Omni Localizer Antenna	5.8	528
10 B 13178 VHF Whip Antenna	1.0	387
A1A242A Isolation Amplifiers (2)	8.0	135
MN-26 ADF Receiver	38	55
MN-31 Loop Control	9	40
MN-36 Loop	20	180
MN-58C Dual Radio Compass Indicator	1	91'
2 Headsets	.7	135
1 Mils	.5	135