DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

4A24 Revision 9 Atlantic Coast Seaplanes LLC G-21C, G-21D G-21E, G-21G

April 14, 2008

TYPE CERTIFICATE DATA SHEET NO.4A24

This data sheet which is a part of type certificate No. 4A24 prescribes conditions and limitations under which the product for which the type certificate was issued meets the airworthiness requirements of the Civil Air Regulations.

Type Certificate Holder Atlantic Coast Seaplanes LLC

3623 N. Elm Street, Suite 200

P. O. Box 41027 Greensboro, NC 27455

Type Certificate Holder Record: A.G. McKinnon transferred 4A24 to Viking Air Limited on June 6, 1984

Viking Air Limited transferred 4A24 to Aero Planes, Inc on September 4, 1998

TC 4A24 was reissued to Aero Planes, LLC on May 5, 2000

Aero Planes, LLC transferred 4A24 to Atlantic Coast Seaplanes LLC on

September 27, 2007.

TC 4A24 reissued to Atlantic Coast Seaplanes LLC on March 7, 2008.

I	 Model G-21C (Norr 	nal Category)	Approved '	7 November 1958

Engines	Four Lycoming GSO-480-B2D6

Fuel 100/130 minimum grade aviation gasoline

Engine limits (Straight line manifold pressure variation with altitudes as shown).

	<u>H.P.</u>	<u>R.P.M.</u>	<u>MP</u>	ALT.
Takeoff (5 minutes)	340	3400	48.0	S.L.
Takeoff (5 minutes)	340	3400	44.5	8000
Maximum continuous	320	3200	45.0	S.L.
Maximum continuous	320	3200	43.0	7500

Propeller and propeller limits

Four Hartzell constant speed propellers, hubs HC-83XF-3A, blades 9333CH-0. Diameter: Max. 93 in., min. allowable for repairs

91 in. No further reduction permitted.

Pitch settings at 30 in. station: Low 17.5°, feathered 85°, reverse -23°

Placard required:

"Avoid continuous operation between 2800 and 3100 R.P.M."

Airspeed limits Vne Never exceed 264 m.p.h. (229 knots)

Vno Maximum structural cruising
Va Maneuvering
Vfe Flaps extended
Vlo Landing gear operation
Vle Landing gear extended
Vmc Minimum control

211 m.p.h. (183 knots)
137 m.p.h. (119 knots)
211 m.p.h. (183 knots)
211 m.p.h. (183 knots)
121 m.p.h. (183 knots)

C. G. range* (+22.0) (17.0% MAC) to (+29.6) (24.9% MAC)

(Landing gear extended) *NOTE: The main gear retracts parallel to the wing reference axis;

hence, this has no effect on airplane C.G.

Empty weight C.G. range None

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Maximum weights	Takeoff	1	2499 lb.				
2	Landing (on land)		2000 lb.				
	Landing (on wate		2499 lb.				
	Maximum zero fu	iel weight 1	1500 lb.				
Minimum crew	One						
No. of seats	9. (2 at -5, 2 at +2	24, 2 at +62, 1 a	at +118, 1 at +	-127, and 1	at +136)		
Maximum baggage	Fwd. compartmen	nt 30	0 lb. (-65)				
	Aft compartment	40	0 lb. (+169)				
Fuel capacity	See NOTE 1(b) fo	or information	relative to usa	ble fuel.			
		<u>Total</u>	<u>Usable</u>				
	2 main tanks	184 gal. e	a. (+30)	183 gal. e	ea.		
	1 aux. tank	82 gal.	(+30)	81 gal.			
	Total usable fuel			447 gal.			
Oil capacity	24 gal. (6 gal. per	engine) (+3)					
Control surface movements	Wing flaps				Down	40°	
	Main surfaces	Aileron	Up	22°	Down	17°	
		Elevator	Up	26°	Down	21°	
		Rudder	Right	23°	Left	17°	
	**Tabs	Elevator	1	16-1/2°	Down	22-1/2°	
		Rudder	Right	17-1/2°	Left	21°	
	**Set rudder tab 2-1 on 0° or takeoff p					sition.	

II - Model G-21D (Normal Category) Approved 29 June 1960

The Model G-21D differs from the Model G-21C in that the bow has been lengthened 36 in. to accommodate increased passenger loading and the horizontal stabilizer and rudder tab have been increased in span for the increased controllability.

Engines	Four Lycoming GSO-480-B2D6							
Fuel	100/130 minimum grade aviation gasoline							
Engine limits	(Straight line manifold press	sure variat	ion with a	ltitudes as	s shown).			
		<u>H.P.</u>	<u>R.P.M.</u>	MP	ALT.			
	Takeoff (5 minutes)	340	3400	48.0	S.L.			
	Takeoff (5 minutes)	340	3400	44.5	8000			
	Maximum continuous	320	3200	45.0	S.L.			
	Maximum continuous	320	3200	43.0	7500			
Propeller and propeller limits	Four Hartzell constant speed propellers, hubs HC-83XF-3A, blades 9333CH-0. Diameter: Max. 93 in., min. allowable for repairs 91 in. No further reduction permitted. Pitch setting at 30 in. station: Low 17.5°, feathered 85°, reverse -23°							
	Placard required:							
	"Avoid continuous ope	eration bet	ween 2800	and 3100) R.P.M."			

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Iodel G-21D (cont'd)							
Airspeed limits	Vne Never excee	ed	264 m	.p.h. (229	knots)		
	Vno Maximum structural cruising			.p.h. (183	knots)		
	Va Maneuvering	g	174 m	.p.h. (151	knots)		
	Vfe Flaps extend			.p.h. (119			
	Vlo Landing gea			n.p.h. (183			
	Vle Landing gea			ı.p.h. (183			
	Vmc Minimum c	control	123 m	n.p.h. (107	knots)		
C. G. range*	(+19.6) (14.5% N	MAC) to (+29.5)	(24.8% MA	C)			
(Landing gear extended)	*NOTE: The mo	ain gear retracts p	parallel to ti	he wing re	ference ax	xis;	
	hence,	this has no effect	on airplane	<i>C.G.</i>			
Empty weight C.G. range	None						
Maximum weights	Takeoff	1249	99 lb.				
<u> </u>	Landing (on land	1200	00 lb.				
	Landing (on wat		99 lb.				
	Maximum zero f	uel weight 1150	00 lb.				
No. of seats	14, (2 at -100.5,	2 at -64.5, 2 at -5	, 2 at +29, 2	at +91,			
	2 at +147.5, and						
Maximum baggage	Fwd. compartme	nt 300	lb. (-80)				
Fuel capacity	See NOTE 1(b)	for information re			l.		
		<u>Total</u>		<u>Jsable</u>			
	2 main tanks	170 gal. ea. (-		68.5 gal. e	ea.		
	Total usable fuel		3	37 gal.			
Oil capacity	24 gal. (6 gal. pe	r engine) (+3)					
Control surface movements	Wing flaps				Down		
	Main surfaces	Aileron	Up	22°	Down		
		Elevator	Up		Down	21°	
		Rudder	Right	23°	Left	17°	
	**Tabs	Elevator	Up	16-1/2°	Down	22-1/2°	
		Rudder	Right	17-1/2°	Left	21°	
	**Set rudder tab 6° on 0° or takeoff	to the left, with i				sition.	
Serial Nos. eligible	1251 through 12.	55					

III - Model G-21E (Normal Category) Approved July 17, 1969

The Model G-21E is similar to the Model G-21C except for the engine installation and related changes. A Model G-21C that has been modified in accordance with Supplemental Type Certificate No. SA1320WE is identical to the Model G-21E.

Engines	1. Two United Aircraft of Canada Lts. PT6A-20
Fuel	JP-4 and JP-5 fuels conforming to Pratt & Whitney Aircraft Specification No. 522.
Oil	Refer to UACL PT6 Engine Service Bulletin No. 1001 for eligible oils. (Not eligible with MIL-L-7808 type oils.)

Model G-21E (cont'd)					
Engine ratings	(Static Sea Level)	Shaft Horse- power	Jet Thrust Lb.	Equivalent Shaft Horsepower	Propeller Speed RPM
	For all operations except reverse For reverse (one min.)	550 500	72	579	2200 2100
	Engine limits for all operations	Torque Lb-Ft	Propeller RPM	Gas Generator RPM	Inter Turbine Temperature Deg. Cent.
		1315	2200	38,100*	750**
	*Maximum gas generator of	verspeed limi	it - 38,500 rp	m for 10 second	ds.
	**Maximum inter turbine te two seconds.	mperature dui	ring starting	- 1994°F. (1090	°C) for
Oil temperature	Minus 40°F. (-40°C) Plus 210°F. (99°C)				
Oil pressure	At 28,000 rpm gas genera	tor speed and	-	psi Minimum psi Maximum	
	Below 28,000 rpm gas ger	nerator speed		psi Minimum	
	Below 28,000 rpm gas ger United Aircraft of Canada Ltd. P ing List MPD 90996 dated May 1	T6A-27 insta	- 40	rdance with the	
	United Aircraft of Canada Ltd. P	T6A-27 insta , 1970, or su	- 40 alled in accord bsequent FA	rdance with the	evisions.
Draw	United Aircraft of Canada Ltd. P ing List MPD 90996 dated May 1	T6A-27 insta , 1970, or sul	- 40 Illed in accord bsequent FA & Whitney	rdance with the A approved re	evisions.
Draw i Fuel	United Aircraft of Canada Ltd. Ping List MPD 90996 dated May 1 JP-4 and JP-5 fuels confor	T6A-27 insta , 1970, or sul	- 40 Illed in accord bsequent FA & Whitney	rdance with the A approved re	evisions.
Draw i Fuel Oil	United Aircraft of Canada Ltd. Ping List MPD 90996 dated May 1 JP-4 and JP-5 fuels conform Refer to UACL PT6 Enging MIL-L-7808 type oils.) (Static Sea Level)	T6A-27 insta , 1970, or sul	- 40 Illed in accord bsequent FA & Whitney	rdance with the A approved re	evisions.
Draw i Fuel Oil	United Aircraft of Canada Ltd. Ping List MPD 90996 dated May 1 JP-4 and JP-5 fuels confor Refer to UACL PT6 Engine MIL-L-7808 type oils.)	T6A-27 insta , 1970, or sul rming to Pratt ne Service Bu Shaft Horse-	- 40 Illed in accord bsequent FA & Whitney A Illetin No. 1 f	rdance with the A approved real Aircraft Specific for eligible oils. Equivalent Shaft	evisions. cation No. 522. (Not eligible with Propeller Speed
Draw i Fuel Oil	United Aircraft of Canada Ltd. Ping List MPD 90996 dated May 1 JP-4 and JP-5 fuels conformation Refer to UACL PT6 Enging MIL-L-7808 type oils.) (Static Sea Level) For all operations except reverse	T6A-27 insta ., 1970, or sul rming to Pratt ne Service Bu Shaft Horse- power	- 40 Illed in accord bsequent FA & Whitney I Illetin No. 1 f Jet Thrust Lb. 90	Aircraft Specific for eligible oils. Equivalent Shaft Horsepower	evisions. cation No. 522. (Not eligible with Propeller Speed RPM 2200
Draw i Fuel Oil	United Aircraft of Canada Ltd. Ping List MPD 90996 dated May 1 JP-4 and JP-5 fuels conformal Refer to UACL PT6 Enging MIL-L-7808 type oils.) (Static Sea Level) For all operations except reverse For reverse (one min.) Engine limits (Max for all operations unless	T6A-27 insta , 1970, or sultaning to Pratt me Service But Shaft Horse- power 680 620	Jet Thrust Lb. Propeller	rdance with the A approved real Aircraft Specific For eligible oils. Equivalent Shaft Horsepower 715 Gas Generator	Propeller Speed RPM 2200 2100 Inter Turbine Temperature

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	ed and higher: 80 psi Minimum 100 psi Maximum speed 40 psi Minimum pellers, hubs HC-B3TN-3, blades x. 96 in. No further reduction permitted. ow (flight idle) 20° +0° -0.5°, erse -11.0° ± 0.5° *211 m.p.h. (183 knots) 174 m.p.h. (151 knots) 110 m.p.h. (96 knots) 160 m.p.h. (139 knots) 160 m.p.h. (139 knots)	
Plus 210°F. (99°C.) Maximum At 27,000 rpm gas generator spe and oil temperature of 140 - 160° Below 27,000 rpm gas generator Two Hartzell constant speed pro T10178HB. Diameter: Ma Pitch setting at 30 in. station: Lo high (feather) 86° ± 1°, reve Maximum operating speed Maneuvering speed Flaps extended speed Landing gear operating speed Landing gear extended speed	ed and higher: 80 psi Minimum 100 psi Maximum speed 40 psi Minimum pellers, hubs HC-B3TN-3, blades x. 96 in. No further reduction permitted. ow (flight idle) 20° +0° -0.5°, erse -11.0° ± 0.5° *211 m.p.h. (183 knots) 174 m.p.h. (151 knots) 110 m.p.h. (96 knots) 160 m.p.h. (139 knots) 160 m.p.h. (139 knots)	
Below 27,000 rpm gas generator Two Hartzell constant speed project T10178HB. Diameter: Ma Pitch setting at 30 in. station: Lochigh (feather) 86° ± 1°, revenue. Maximum operating speed Maneuvering speed Flaps extended speed Landing gear operating speed Landing gear extended speed Landing gear extended speed Landing gear extended speed Candon p.h. (205 knots) when PTO With PT6A-20 engines +21.5 to +29.5 at 10,500 lb.	*211 m.p.h. (183 knots) 170 m.p.h. (139 knots) 160 m.p.h. (139 knots) 160 m.p.h. (139 knots)	
Two Hartzell constant speed proy T10178HB. Diameter: Ma Pitch setting at 30 in. station: Lochigh (feather) 86° ± 1°, reveal. Maximum operating speed Maneuvering speed Flaps extended speed Landing gear operating speed Landing gear extended speed Landing gear extended speed Landing gear extended speed Landing speed Landing gear extended speed Landing gear extended speed Landing gear extended speed Landing gear extended speed Landing speed Landing gear extended speed Landing	pellers, hubs HC-B3TN-3, blades x. 96 in. No further reduction permitted. bw (flight idle) 20° +0° -0.5°, erse -11.0° ± 0.5° *211 m.p.h. (183 knots) 174 m.p.h. (151 knots) 110 m.p.h. (96 knots) 160 m.p.h. (139 knots) 160 m.p.h. (139 knots)	
T10178HB. Diameter: Ma Pitch setting at 30 in. station: Lo high (feather) 86° ± 1°, reve Maximum operating speed Maneuvering speed Flaps extended speed Landing gear operating speed Landing gear extended speed Landing gear extended speed Landing gear extended speed With PT6A-20 engines +21.5 to +29.5 at 10,500 lb.	*x. 96 in. No further reduction permitted. bw (flight idle) 20° +0° -0.5°, erse -11.0° ± 0.5° *211 m.p.h. (183 knots) 174 m.p.h. (151 knots) 110 m.p.h. (96 knots) 160 m.p.h. (139 knots) 160 m.p.h. (139 knots)	
Maneuvering speed Flaps extended speed Landing gear operating speed Landing gear extended speed 236 m.p.h. (205 knots) when PTo With PT6A-20 engines +21.5 to +29.5 at 10,500 lb.	174 m.p.h. (151 knots) 110 m.p.h. (96 knots) 160 m.p.h. (139 knots) 160 m.p.h. (139 knots)	
+21.5 to +29.5 at 10,500 lb.		
Straight line variation between p With PT6A-27 engines	oints given	
None		
Takeoff Landing (on land) Landing (on water) Zero fuel weight, land & water	10,500 lb. 10,500 lb. 10,500 lb. 10,182 lb.	
One		
O. (2 at -5, 2 at +24, 2 at +62, 1 a and 1 at +136)	at +118, 1 at +127,	
Fwd. compartment Aft compartment	602 lb. (-65) 400 lb. (+169)	
Usable 108.5 gal., 705 2. Two outboard auxiliary tanl Total 60 gal., 390 lb. e Usable 60 gal., 390 lb. 3. Optional Main Tanks in lieu Total 168 gal., 1092 lb Usable 166.5 gal., 108	lb. each ks (+30) ach each a of Item 1 above (+30) b. each 2 lb. each	
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Cakeoff Landing (on land) Landing (on water) Cero fuel weight, land & water One 2. (2 at -5, 2 at +24, 2 at +62, 1 and 1 at +136) Consider the compartment Compa	Takeoff 10,500 lb. Landing (on land) 10,500 lb. Landing (on water) 10,500 lb. Lero fuel weight, land & water 10,182 lb. One 2. (2 at -5, 2 at +24, 2 at +62, 1 at +118, 1 at +127, and 1 at +136) Find: Compartment 602 lb. (-65) Left compartment 400 lb. (+169) Total 110 gal., 715 lb. each Usable 108.5 gal., 705 lb. each Usable 60 gal., 390 lb. each Usable 60 gal., 390 lb. each Usable 60 gal., 390 lb. each

		50 0 01 2				12 12 1		
- Model G-21E (cont'd)								
Oil capacity	4.6 gallons total in two integral engine tanks of 2.3 gallons each							
	3.0 gallons total usable							
	See NOTE 1 for	system oil.						
Control surface movements	All controls plus	s (+) or minus (-) 1°					
	Aileron	Up	20°	Down	20°			
	Elevator	Up	23°	Down	20°			
	Rudder	Right	27°	Left	26°			
	Flaps			Down	60°			
	Elevator tab	Up	10°	Down	30°			
	*Rudder tab	Right	15°	Left	25°			
	*Set rudder tab 2 on 0° (takeoff pe			,	cockpit) set from this position	n.		
Control surface	Elevator	+ 90 + 21 ii	n. lb.					
mass balane	Rudder	+130 + 20 ii						
	Aileron	0 + 10						
		- 13.6	in. lb.					
Serial Nos. eligible	1211 through 12	225						

IV - Model G-21G (Normal Category) Approved August 29, 1969

The Model G-21G is similar to the Model G-21E except for the engine installation, revised fuel system, increased weights and airspeed limits, and related changes.

ints, and related changes.									
Engines	Two United Aircraft of Canada Ltd. PT6A-27 Optional: Two United Aircraft of Canada Ltd. PT6A-28								
Fuel	JP-4 and JP-5 fuels conforming to Pratt & Whitney Aircraft Specification No. 522.								
Oil	Refer to UACL PT6 Engin	Refer to UACL PT6 Engine Service Bulletin No. 1001 for eligible oils. (Not eligible with MIL-L-7808 type oils.)							
Engine ratings	(Static Sea Level)	Shaft Horse- power	Jet Thrust Lb.	Equivalent Shaft Horsepower	Propeller Speed RPM				
	For all operations except reverse For reverse (one min.)	680 620	90	715	2200 2100				
	Engine limits (Max. for all operations unless noted otherwise.)	Torque <u>Lb-Ft</u>	Propeller RPM	Gas Generator RPM	Inter Turbine Temperature Deg. Cent.				
	PT6A-27: PT6A-28:	1628 1628	2200 2200	38,100* 38,100*	1336°F. (725°C)** 1382°F. (750°C)**				
	*Maximum gas generator o Minimum gas generator sp **Maximum inter turbine ter two seconds. Maximum inter turbine ter	peed for idle - mperature dur	19,000 rpm ring starting	- 1994°F. (1090					

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Model G-21G (cont'd)						
Oil temperature	Minus 40°F. (-40°C) Minimum Plus 210°F. (99°C) Maximum					
Oil pressure	At 27,000 rpm gas generator speed and oil temperature of 140 - 160°F.					
	Below 27,000 rpm gas generator sp					
Propeller and propeller limits	Two Hartzell constant speed propellers, hubs HC-B3TN-3, blades T10178HB. Diameter: 96 in. No further reduction permitted. Pitch settings at the 30 in. station: Low (flight idle) 20° +0° -0.5°, High (feather) 86° ± 1°, reverse -11.0° ± 0.5°					
Airspeed limits (EAS)	Maximum operating speed Maneuvering speed Flaps extended speed Landing gear operating speed Landing gear extended speed	236 m.p.h. (205 knots) 174 m.p.h. (151 knots) 110 m.p.h. (96 knots) 160 m.p.h. (139 knots) 160 m.p.h. (139 knots)				
C.G. range	(+22.0) (17.0% MAC) to (+29.9% MAC)					
Empty weight C.G. range	None					
Maximum weights	Takeoff 12,500 lb. Landing (on land) 12,000 lb. Landing (on water) 12,500 lb. Zero fuel weight, land & water 10,182 lb.					
	Alternate weight limits for airplanes assembled without full main cabin floor sealing.					
	Takeoff (on land) Takeoff (on water) Landing (on land) Landing (on water) Zero fuel weight, land & water	12,500 lb. 10,500 lb. 12,000 lb. 10,500 lb. 10,182 lb.				
Minimum crew	One					
No. of seats	Ten. (2 at -5, 2 at +29, 2 at +91, 2 at +147.5, and 2 at +177)					
Maximum baggage	Fwd. compartment 602 lb. (-6	Fwd. compartment 602 lb. (-65)				
Fuel capacity	 Two inboard main tanks (+30) Total 168 gal., 1092 lb. each Usable 166.5 gal., 1082 lb. each Two outboard main tanks (+30) Total 125 gal., 812 lb. each Usable 118 gal., 767 lb. each Optional outboard tanks in lieu of Item 2 above (+30) Two outboard auxiliary tanks (+30) Total 60 gal., 390 lb. each Usable 60 gal., 390 lb. each 					
	Total fuel for items 1 and 2: 586 gal. with 569 gal useable Total fuel for items 1 and 3: 456 gal. with 453 gal useable					
	See NOTE 1(b) for system fuel.					
Oil capacity	4.6 gallons total in two integral eng 3.0 gallons total usable	4.6 gallons total in two integral engine tanks of 2.3 gallons each 3.0 gallons total usable				
	See NOTE 1(c) for system oil					
Maximum operating altitude	20,000 ft.					

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IV - Model G-21G (cont'd)								
Control surface movements	All controls plus (+) or minus	(-) 1°					
	Aileron	Up	20°	Down	20°			
	Elevator	Up		Down				
	Rudder	Right		Left				
	Flaps	Kigiit	21	Down				
	Elevator tab	Up	10°	Down	30°			
	Rudder tab*	Right		Left	25°			
Control surfaces mass balance	Elevator +90 <u>+</u> Rudder +130 <u>+</u> Aileron 0 <u>+</u>	21.0 in. lb. 20.0 in. lb. 10.0 in. lb.	t und 11g	at traver tak	en from this position.			
Serial Nos. eligible	1201, 1203, 1205, 1226 through 1250							
DATA PERTINENT TO ALL MOI	DELS							
Datum	Wing leading edge at side of fuselage (+5.7 in forward MAC leading edge where length = 95.9 in MAC)							
Leveling means	6 in above floor at sta. 9 (Instrument Panel) and sta. 11. Wing level right side fuselage at sta. 12.							
Certification basis	Models G-21C and G-21D CAR 3 effective May 15, 1956 with no amendments							

CAR 3 effective May 15, 1956 with no amendments.

Models G-21E and G-21G

- For the powerplant installation FAR 23 including Amendments 23-1 through 23-6
- (2) For areas other than the powerplant installation CAR 3 effective May 15, 1956 with no amendments.
- (3) Special Conditions dated May 5, 1969.
- (4) Exemption No. 555 from FAR 21.19(b) issued July 6, 1966. Type Certificate No. 4A24 issued November 7, 1958, amended June 29, 1960, amended July 17, 1958, amended August 29, 1969. Application for type certificate dated February 21, 1957.

Production basis

Production Certificate No. 409.

Since the Model G-21C, G-21D, G-21E and G-21G are conversion of the basic Grumman Models G-21 and G-21A (Type Certificate No. 654), the applicable portions of the following Airworthiness Directives must be complied with: 49-16-1, 53-20-2, 53-24-1, and 63-27-2.

Equipment

The basic required equipment as prescribed in the applicable Airworthiness Regulations (see Certification Basis) must be installed in the aircraft for certification. In addition, the following items of equipment are required:

- (1) Approved equipment as shown in the following McKinnon Reports:
 - (a) Model G-21C No. MC-3-3-29
 - (b) Model G-21D No. MC-14-20
 - (c) Model G-21E No. MPD-90010
 - (d) Model G-21G No. MPD-90110
- (2) FAA Approved Airplane Flight Manual.

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- NOTE 1.
- (a) Current weight and balance report including list of equipment included in certificated empty weight, and loading instructions when necessary must be in each aircraft at the time of original certification and at all times thereafter except in the case of operators having an approved weight control system.
- (b) The certificated empty weight and corresponding center of gravity location must include system fuel (unusable) of 18 lb. at (+30) for Models G-21C and G-21D and 20 lb. at (+30) for Model G-21E and 110 lb. at (+30) for the Model G-21G with 586 gal total fuel and 20 lb at (+30) for the Model G-21G with 456 gal total fuel.
- (c) The certificated empty weight and corresponding center of gravity locations must include system oil (unusable) of 12 lb. at (-42.5) for Models G-21E and G-21G.
- NOTE 2. The following placards must be installed in full view of the pilot unless noted otherwise:
 - (1) "This airplane must be operated as a normal category airplane in compliance with the FAA Approved Airplane Flight Manual. No acrobatic maneuvers including spins are approved."
 - (2) Model G-21C only "Use auxiliary tank for cruise only."
 - (3) Model G-21C and G-21D with Lycoming GSO-480-B2D6 engine "Avoid continuous operation between 2800 and 3100 rpm."
 - (4) Models G-21C and G-21D only "Maximum capacity 300 lb." adjacent to forward baggage compartment.
 - (5) Models G-21E and G-21G only "Maximum capacity 602 lb." adjacent to forward baggage compartment.
 - (6) Models G-21C and G-21E only "Maximum capacity 400 lb." adjacent to rear baggage compartment.

.....END.....