	PHASE II AMATEUR BUILT OPERATING LIMITATIONS
Regis.	is. No. N134JB Aircraft Builder Jim Bengston Model RV-6
S/N	20999 Engine Make Lycoming Model 0-320 Date 8/13/94
This a amateu apply:	This aircraft has been certificated under the provisions of FAR 21.191, as an amateur-built experimental aircraft. The following operating limitations apply:
1.	No person may operate this aircraft for other than the purpose for which the special airworthiness certificate was issued. Additionally, the aircraft shall be operated in accordance with applicable Air Traffic and general operating rules of FAR 91 and all additional limitations herein prescribed under the provisions of FAR 91.319.
2.	The pilot-in-command of this aircraft must hold an appropriate category/class rating.
•	Unless appropriately equipped for night and/or instrument flight in accordance with FAR 91.205, this aircraft must be operated day VFR only.
	This aircraft shall contain the placards, marking, etc. required by FAR $91.9.$
*	Only those acrobatics/maneuvers which have been satisfactorily accomplished and recorded in the aircraft records during the flight test period are permitted.
•	The cognizant FAA Flight Standards Office must be notified and their response received in writing, prior to flying this aircraft after incorporating a major change as defined by FAR 21.93.
7.	This aircraft shall not be operated for glider towing or parachute $jumping$ operations.
·	No person shall operate this aircraft unless within the preceding 12 calendar months it has had a condition inspection performed in accordance with Appendix D of Part 43 and found to be in a condition for safe operation. Additionally, the inspection shall be recorded in accordance with limitation 10 listed below.
. •	Only certificated repairman Jim Bengston , FAA certificated mechanics holding an airframe and powerplant rating and appropriately rated repair stations may perform condition inspections in accordance with Appendix D of Part 43.
	Condition inspections shall be recorded in the aircraft maintenance records showing the following or similarly worded statement: "I certify that this aircraft has been inspected onin accordance with the scope and detail of Appendix D of Part 43 and found to be in a condition for safe operation." The entry will include the aircraft total time in service, name, signature and certificate type and number of the person performing the inspection.
1	Other limitations: None

TERRY E. EDWARDS, DAR-1-FS-NM

MAKE BENESTON MODEL RU-6 SERIAL: V 5560 REGISTRATION NIBY J W

Des i gn Datum= 60 inches forward of C.G. Range = 15% to Range wing leading edge. 29% of wing cord. or 68.7 to (L.E.) to 16.8 76.8 inc inches inches from L.E., aft of Datum.

Wing 60 inches aft of datum.

Main wheel, right aft of datum.

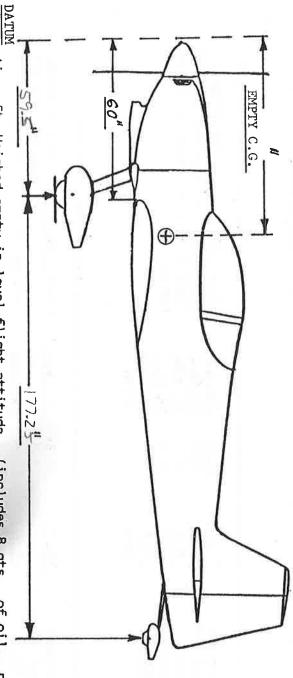
Main wheel, left 11 in. aft of datum. ָ בּ aft of f datum.

Tail whee I

Fuel 70 ij. aft ð datum.

Pilot & Passenger Ħ 87.4 5 aft 약 datum.

Baggage 117 in. aft of datum.



fuel) Aircraft Weighed empty in level flight attitude. (includes œ qts. of oil, 5

MOST AFT C.G. for standard	Passenger 708 Baggage 1700	Aircraft 995 Fuel (38 Gal.) 228	GROSS WEIGHT C.G. Wt.	Tail Wheel - 4/8	
rd loading	87.4	70.84 70.0	Arm	236.75	Arm S9.5 in.
. (Gross wt.	87.4 18/79 to 117.0 7/37 v	10486	Moment	887.0L 516.71	
minus fuel burn to minimum	the limit of 76.8 in., thus is within the limit for aft C.G.	Gross C.G. = 76.4 in. aft of		C.G. =	in. lbs.
inimum fuel)	aft C.G.	in. aft of		70.84 in. aft of datum.	

366 1502 208 7.08 8 117.0 87.4 87.4 70.0 <u>e</u>_ 70.486 2,100 12179 7 137 C.G. of 76.8 in., limit for ัร aft is thus C.G. less <u>'</u>___ is within than the aft of datum. limit the

180

Pilot

Baggage Passenger Fuel

(5 gal.)

Aircraft

MOST FORWARD C.G. (STD PILOT WT.)

Pi lot Aircraft Fuel (38 Gal.) 190 1413 70.84 70.0 87.4 70,486 15,960 16,606 103,052

C.G. forward limit within the forward limit. н 72.9 is greater than the of 68.7, thus is in. aft of datum.

MOST FORWARD C.G. (MIN. PILOT WT.)

Pilot Aircraft Fuel (38 Gal.) 995 1215

7084 70.0 87.4 89,192 è 486 900

C.G. in. is greater than the forward limit of 68.7, thus is within the forward limit. 73.4 <u>'</u>5 aft of datum.

Pilot Baggage Aircraft Fuel (38Gal) Passenger 120 1593 00

> 70.34 70.0 87.4 87.4 117.0 16,606 70,485

> > C.G.=

ร

aft of

datum.

limit of limits. in. is less than the aft 76.8 in., thus is within

129,560

Aircraft Fuel (/o Pilot Passenger Baggage gal) 190 120 60

5241

108

900

70.0 87.4 87.4 117.0 18 70,486 4,200 070

> C.G.= limits. imit 약 76.8 in., thus is within is less than the aft aft of datum.

498 400

Pilot Fuel (gal) Aircraft

ваддаде

Passenger

87.4

87.4 117.0 70.0

C.G. limit of 76.8 in., thus is within ร is less than the aft in. aft of datum.

EQUIPMENT LIST

l art	Manufacturer -	Serial #
Spinner	Van's Aircraft	Z D
Wheel Pants	Van's Aircraft	Z D
Intercom	Flightcom	XSII
GPS	Garmin GPS 100	92605100
Comm Radio	King KT97A	11019
Transponder	King KT76A	91409
Encoder	ACK A-30	41437
ELT	ACK E-01	005483