

54

WEIGHT AND BALANCE REPORT

AIRCRAFT. Piper J3-C65 Serial. 162C TYPE. Landplane

REGISTRATION: CF-DGV

DATE OF WEIGHING: August 14th 1950

Place Of Weighing: Closed hangar, Yarmouth Airport, Yarmouth, N. S.

APPARATUS USED: Three platform scales.

1. Fairbanks Morse, 1000 lb. Cap. Serial B17846, Certificate #370606
Date, Oct. 6th 1949.
2. Fairbanks Morse, 1000 lb. Cap. Serial C35708, Certificate #371685
Date, April 14th 1950.
3. Burrow Stewart & Milne, 600 lb. Cap. Serial 039939, Certificate
#371589 Date, March 1950.

CONDITION OF AIRCRAFT: Fuel and oil tanks empty, aircraft supported in flying position with two scales under main wheels and one scale on a suitable support under tail wheel.

LEVELING MEANS: Upper left longeron in cockpit. DATUM: Wing L. E.

	Wt.	Arm.	Moment.
Reaction at left front wheel	334	2.5	835
Reaction at right front wheel	329	2.5	822.5
Reaction at tail wheel	53	201	10653
Empty weight	716	17.19	12310.5

Most forward position C.G.

Aircraft Empty	716	17.19	12310.5
Oil (1 gal)	9	-36	-324
Fuel (9 gals.)	64.8	-18	-1166.4
Pilot, front seat	170	8	1360
	959.8	12.69	12180.1

Most Rearward position C.G.

Aircraft empty	716	17.19	12310.5
Oil	9	-36	-324
Fuel (3 gals.)	21.6	-18	-388.8
Pilot, rear seat	170	35	5950
Baggage	20	54	1080
	936.6	19.89	18627.7

Maximum All-up weight C.G.

Aircraft empty	716	17.19	12310.5
Dil	9	-36	-324
Fuel	64.8	-18	-1166.4
Pilot, front seat	170	8	1360
Cargo, rear seat	240.2	35	8407
Baggage	20	54	1080
	1220	17.76	21667.1

Equipment in Aircraft at time of weighing	Type:	Wt.	Arm.
Item 101 Propeller, Wood fixed pitch	Sensenich		-53
Item 105 Carb air intake and filter.	Continental	3	-44
Item 302 (b) Cabin and CarbbHeater	Model D.	1	-39
Item 311 Engine Continental A65-8			
Item 102 Main wheels 800 X 4 tires		20	2.5
Item 203 Dual brakes			
Item 304 (c) Tail wheel 200 X 6	Scott steerable	5	197
Pyrene fire extinguisher		6	8

Max. All-up weight 1220 lbs

Permissible C.G. range empty 8.5" to 20.3" aft of datum.

Actual C/G. position empty 17.19" aft of datum

Permissible C.G. range loaded 10.6" to 22.6" aft of datum.

Actual C.G. position loaded 17.76" aft of datum.

Most forward position E.G. 12.69" aft of datum.

Most rearward position C.G. 19.89" aft of datum.

Signed *J. M. P.* A2991