

Weight and Balance

Make: Great Lakes
S/N: 28

Model: 2T-1
Registration: N202K

Datum: Firewall- engine side.

Leveling means: top longeron rear cockpit

Main wheel weighing point from datum: 4.5"

Tail wheel weighing point to main weighing point: 179"

Oil over and above zero tank reading: 0

C.G. Range= 15.7 at 1600 lb, 18.9 to 23.0 at 1750 lb.

Actual Empty Weight

<u>WEIGHT POINT</u>	<u>SCALE READING</u>	<u>TARE</u>	<u>NET WEIGHT</u>
Right wheel	651	0	651
Left wheel	652	0	652
Tail wheel	76	0	76
Total net weight	1379	0	1379

C.G. relative to main wheel weighing point:

$$\frac{179 \times 76}{1379} = 9.87 \text{ C.G.}$$

C.G. relative to datum:

$$4.5 + 9.87 = 14.37$$

	Weight	Moment	
Empty Weight	1379	19816.23	
Oil 17 qts.	32	-144.00	
Total	1411	19672.23	
Fuel 26.7 at 6 lb. per gal.	160	2080.00	
Pilot (including chute)	190	11685.00	
Total	1761	33437.23	C.G. 18.78
Front Chute	20	550.00	
Total	1781	33987.23	C.G.=19.78

For correct c.g. loading, front parachute must be carried in aircraft at all times.

Scales used: Rebeco 1 weigh electronic scales

APPROVED BY

Certificate No.

Date: 8-30-08