

Station Wagon

CONSOLIDATED VULTEE AIRCRAFT CORPORATION

Stinson Division

COMPUTED WEIGHT AND BALANCE

License No. 6859M

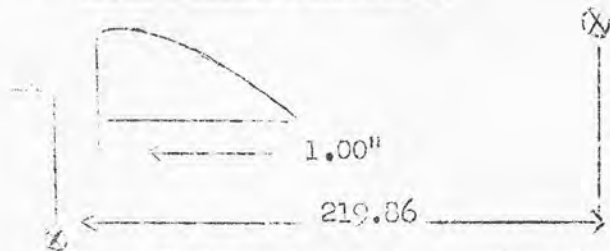
Serial No. 108-1859

Prepared by E. Sanders

Approved by S. R. Gray

Date July 19, 1949

C.A.A. Inspector Victor Jaipale



Reaction	Gross	Tare	Net
Left Wheel			
Right Wheel			
Tail Wheel			

Total as Weighed

C.G. as Weighed = $\frac{74 \times 219.86}{1308} - 1.00 = 11.44''$ Aft L.E. Wing

Airplane as Weighed	1308	11.44	14964
Less Oil 9 qts.	-17	-49	833
Plus Unusable Fuel 4 gal.	24	22	528
Airplane Empty	1315	(12.41)	16325

ITEM	GROSS WEIGHT CONDITION					
	Normal Category			Utility Category		
	Weight	Arm	Moment	Weight	Arm	Moment
Airplane Empty	1315	12.41	16325	1315	12.41	16325
Pilot & Passenger	340	16	5440	380	16	6080
Passengers - Rear	340	48	16320	0		
Baggage	100	75	7500	12	75	900
Fuel - 46 gal.	276	22	6072	276	22	6072
Oil - 9 qts.	17	-49	-833	17	-49	-833
Total	* 2388	(21.28)	50824	2000	(14.27)	28544
C.G. Location in % M.A.C.	37.40%			24.77%		

* Maximum gross weight is 2400 lbs. Up to 12 lbs. of extra equipment may be installed without exceeding gross weight.

ITEM	Most Forward C.G.			Most Rearward C.G.		
	Weight	Arm	Moment	Weight	Arm	Moment
Airplane Empty	1315	12.41	16325	1315	12.41	16325
Pilot	170	16	2720	170	16	2720
Passengers - Rear	0			340	48	16320
Baggage	0			100	75	7500
Fuel	82	22	1804	276	22	6072
Oil	17	-49	-833	17	-49	-833
Total	1584	(12.64)	20016	2218	(21.69)	48104
C.G. Location in % M.A.C.	21.83%			38.14%		

Approved C.G. Limits are 18.2% M.A.C. and 38.5% M.A.C.
 N(10.6)(18.2%MAC) to (21.89)(38.5%MAC)
 U(10.6)(18.2%MAC) to (17.18)(30.0%MAC)