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Licenses **OP-EHI**

STINSON DIVISION
CONSOLIDATED VULTEE AIRCRAFT CORPORATION

ACTUAL WEIGHT AND BALANCE

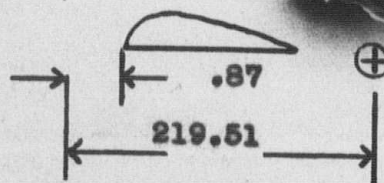
Serial No. **108-435**

Prepared by *B.J. Hoefler*

Approved by *[Signature]*

Date *August 26, 1946*

C.A.A. Inspector *[Signature]*



$$\oplus \text{ C.G. As Weighed} = \frac{58.5 \times 219.51}{1227} - .87 = 9.59 \text{ "aft L.E. Wing}$$

Reaction	Gross	Tare	Net
Left Wheel	604	0	604
Right Wheel	565	0	565
Tail Wheel	88	27	61
Total as Weighed			1227

Airplane as Weighed	1227	9.59	11767
Less Oil 8 qts.	-15	-49	-735
Plus Unusable fuel 4 gal.	+24	22	+528
Airplane Empty	1236	(10.54)	13030



ITEM	GROSS WEIGHT			CONDITION		
	NORMAL CATEGORY			UTILITY CATEGORY		
	Weight	Arm	Moment	Weight	Arm	Moment
Airplane Empty	1236	10.54	13030	1236	10.54	13030
Pilot and Passenger	340	16	5440	380	16	6080
Passengers—Rear	340	48	16320	0		
Baggage	3	42	126	53	42	2226
Fuel—36 gal.	216	22	4752	216	22	4752
Oil—2 gal.	15	-49	-735	15	-49	-735
TOTAL	2150	(18.11)	38933	1900	(13.34)	25353
C. G. Location in % M.A.C.	31.7%			23.1%		

ITEM	MOST FORWARD C. G.			MOST REARWARD C. G.		
	Weight	Arm	Moment	Weight	Arm	Moment
Airplane Empty	1236	10.54	13030	1236	10.54	13030
Pilot	170	16	2720	170	16	2720
Passengers—Rear	0			340	48	16320
Baggage	0			50	42	2100
Fuel	75	22	1650	216	22	4752
Oil	15	-49	-735	15	-49	-735
Total	1496	(11.14)	16665	2027	(18.84)	38187
C. G. Location in % M.A.C.	19.1%			33.0%		

Approved C. G. Limits are 18.2% M.A.C. and 35.2% M.A.C.