

OCTOBER 28, 1952

TAYLORCRAFT MODEL NO. BC-12D1 SER. NO. 9930 REG. GF-ECB

59

OWNER JAMES D. WILLIAMS 445 WENTWORTH STREET N, HAMILTON, ONTARIO, CANADA

WEIGHT & BALANCE. ACTUAL WEIGHTING LAND CATEGORY  
Datum is - Leading Edge of Wing

CG Range is -  $\neq$  14.2" to  $\neq$  20.0" Empty C.G. Range -  $\neq$  14.8" to  $\neq$  17.9"  
MAXIMUM TAKE-OFF WEIGHT 1200 LBS. MAXIMUM LANDING WEIGHT 1200 LBS.

R.W. 349 L.W. 342.5 T.W. 58.5 Total Net Weight 750 Lbs.  
T.W. Net WT. X C.L. Wheels to T.W.C.L.  $\div$  Total Net Wt. = E.C.G.

$$58.5 \times 195 \div 750 = \frac{11407.5}{750} = 15.21$$

Aircraft Weighed with no Fuel, Aircraft Weighed with Oil 1 gal. at - 21

As Weighed	750.0	Arm $\neq$ 15.21	Moment $\neq$ 11407.5
Less Oil	<u>7.5</u>	" - .21	" $\neq$ <u>157.5</u>
	742.5	15.575	11565.0

Aircraft Empty WT. 742.5 USEFUL LOAD 457.5 lbs. Empty WT. C.G. =  $\neq$  15.575

MOST FORWARD C.G. CONDITION

<u>ITEM</u>	<u>WEIGHT</u>	<u>ARM</u>	<u>MOMENT</u>
Aircraft empty	$\neq$ 742.5	$\neq$ 15.575	$\neq$ 11564.44
Oil 1 gal.	$\neq$ 7.5	- 21	- 157.5
Pilot	$\neq$ 170.0	$\neq$ 23	$\neq$ 3910.0
Fuel 12 gals. Max.	$\neq$ 72.0	- 9	- 738.0
Passenger	<u>None</u>	$\neq$ 23	
	992.0	$\neq$ 14.696	$\neq$ <u>14578.94</u>

MOST REARWARD C.G. CONDITION

Aircraft empty	$\neq$ 742.5	$\neq$ 15.575	$\neq$ 11564.44
Oil 1 gal.	$\neq$ 7.5	$\neq$ 21.	- 157.5
Pilot & Passenger	$\neq$ 340.	$\neq$ 23.	$\neq$ 7820.
Fuel <u>Min.</u> 5.4 gals.	$\neq$ 32.4	- 9.	- 291.6
Baggage <u>Max.</u> 50 lbs.	$\neq$ <u>50.</u>	$\neq$ 40.	$\neq$ <u>2000.</u>
	1172.4	$\neq$ 17.856	$\neq$ <u>20935.34</u>

Frank Perrino AFE M-11382-40