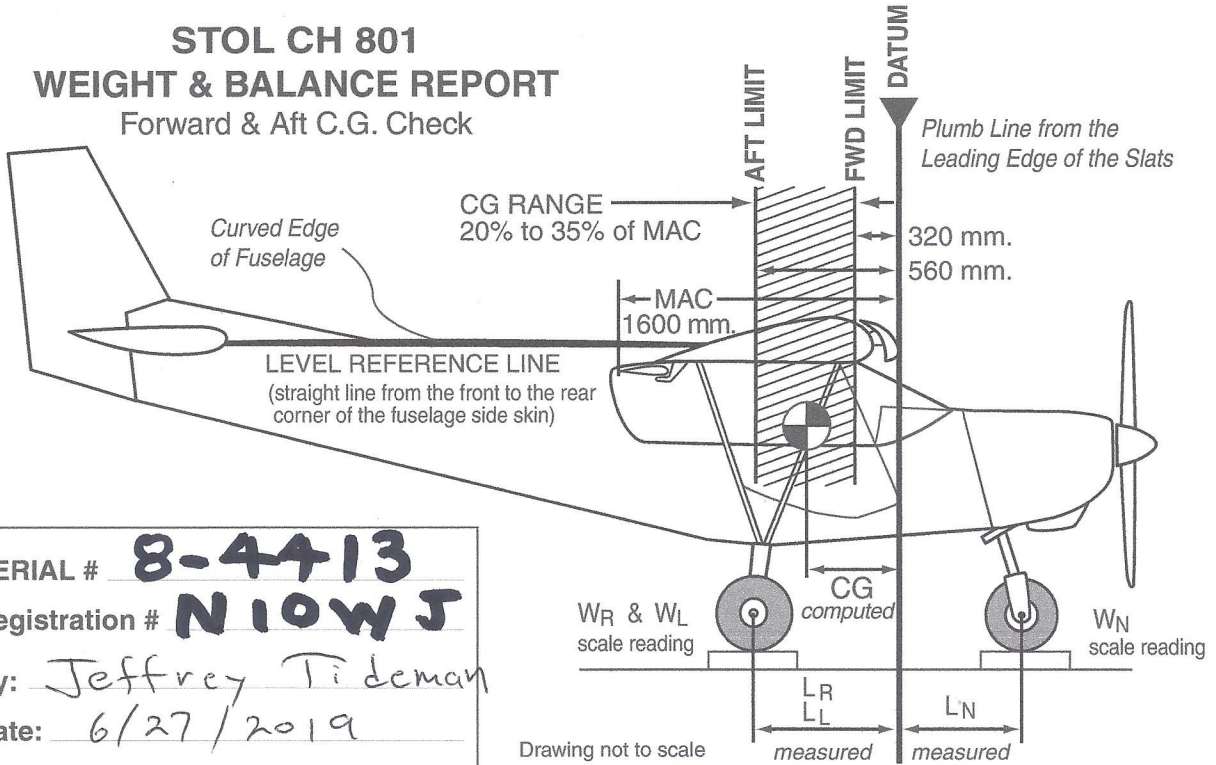


STOL CH 801

WEIGHT & BALANCE REPORT

Forward & Aft C.G. Check



SERIAL # **8-4413**
 Registration # **N10WJ**
 By: **Jeffrey Tideman**
 Date: **6/27/2019**

Drawing not to scale

ITEM	WEIGHT (pounds)	ARM (mm.)	MOMENT
RIGHT MAIN WHEEL	WR = 462	LR = 920	425,040 <small>WR X LR</small>
LEFT MAIN WHEEL	WL = 467	LL = 920	429,640
NOSE WHEEL	WN = 359	LN = - 829 <small>negative arm</small>	- 297,611
COMPUTED CG EMPTY	Empty Weight: 1288	CG = 433 <small>Arm to Datum</small>	557,069 <small>Aircraft Moment</small>

			MOMENT - Forward	MOMENT - Rear
PILOT		500 *		
PASSENGER		500 *		
REAR SEAT		1,400		
FUEL: WING TANKS L & R: ___ Gal. each		800		
FUEL: EXTENDED RANGE		800		
TOTAL	WF = WF =	* Depends on seat position & individuals' weight distribution.	MF =	MR =
Gross Weight:	Take-Off Weight:		CGFRD =	CGAFT =

CG Range: From 320 mm. to 560 mm.

Center of Gravity (CG) = $\frac{\text{Total Moment}}{\text{Total Weight}}$