

WEIGHT & BALANCE - ALPI AVIATION REPORT

Aircraft type : Pioneer 200 Report N° :
 Serial Number : S/N 258 Date : 25/01/2014

1 - Levelings : (longit. - lateral) OK M.A.C. (m) 1,4
 2 - Reference line (Datum) Fire-guard Bulked MAC L.E. from Datum (m) 0,47

3 - Main gears/Datum, longitudinal distance (m) d = 1,02
 4 - Main gears/nose gear, longitudinal distance (m) D = 1,35

5 - Empty Weight (Kg)

	Read	Tare	Net Weight
Left Weel	128,10	0	128,1
Right Weel	128,10	0	128,1
Nose Weel	43,30	0	43,30
Empty Weight			299,5

6 - C.G. arm @ E. W.

Arm from main gears			
CGp =	0,20	(m)	
Arm from Datum			(%) CG @ E.W.
CGd =	0,82	(m)	25,34

7 - Weight configuration

1litre = 0,750Kg

	Weight (Kg)	Arm (m)	Moment
Empty A/C	299,50	0,82	247,04
Pilot	80,00	1,10	88,00
Passenger	0,00	1,10	0,00
Fuel	40	0,25	10,00
Aux. tank	0	1,10	0,00
Item			0,00
Baggage	10,00	2,00	20,00
Equip.1			0,00
Equip.2			0,00
Equip.3			0,00
Various 1			0,00
Various 2			0,00
TOTAL	429,5	0,85	365,04
Never exceeded	472,50	(with	

8 - C.G. longitudinal position of configuration investigated

Arm from datum (m) 0,850 Position 27,1 (%)

Never exceed C.G. fore position 18 (%)

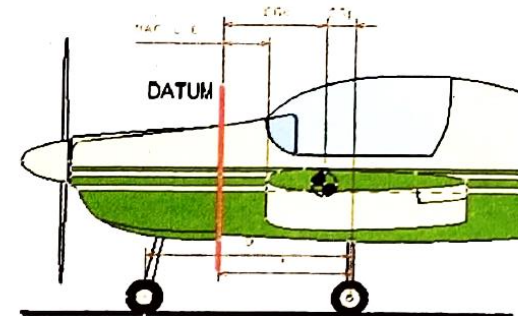
Never exceed C.G. aft position 32 (%)

Date : 17-8-2017

Inspector Signature : [Signature]

Instructions

- 1 - Put aircraft weels on scales plan
- 2 - Level aircraft as per Flight Manual
- 3 - Record W&B Report number and date
- 4 - Record Aircraft type and Serial Number



Note : Modify ONLY data on yellow cells

5 - INPUT DATA :

- a - Mean Aerodynamic Cord lenght in meters
 - b - MAC L.E. from Datum in meters
 - c - Main gears/Datum, longitudinal distance "d" (m)
 - d - Main gears/nose gear, longitudinal distance "D" (m)
 - e - Read weight on Left scale (left weel)
 - f - Read weight on Right scale (right weel)
 - g - Read weight on Nose scale (nose weel)
 - h - Input Weights and arms of items related to configurations to be verified
- Note : input fuel liters, the weight will be displayed as output

6 - OUTPUT DATA :

- a - Empty Weight
- b - Max Take off Weight @ verified configuration
- c - Record Empty Weight and arm on Flight Manual - Sect 6 para 6.1.

Note : The position of C.G. shall not exceed the max fore and aft position