

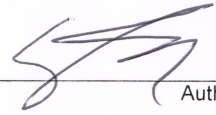
Weight and Balance Report

Make DG Model 505
Serial# 5E221x59 Reg.# N505KM
Date of scale calibration: _____
Aircraft gross weight: 1,653.00

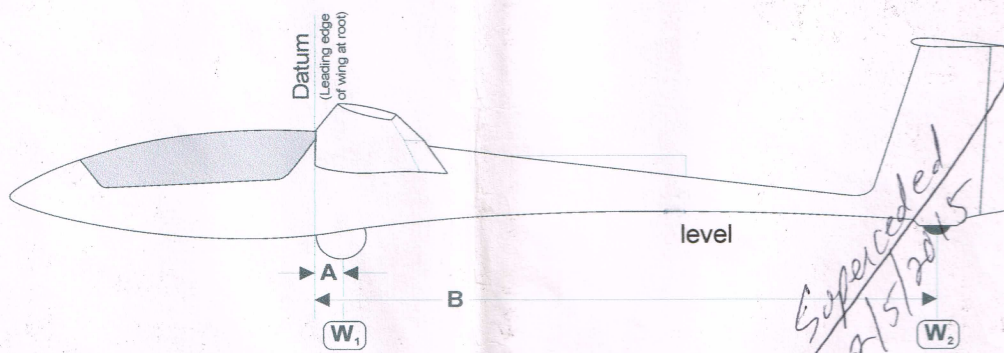
Aircraft as Weighed					
Weight Point	Scale Reading	Tare	Net Weight	Arm	Moment
Left	909.00	0.00	909.00	13.75	12,498.75
Right	0.00	0.00	0	0.00	0
Tail	68.00	0.00	68.00	210.00	14,280.00
Total As Weighed			977.00	27.41	26,778.75

Weight Adjustments			
Description	Weight	Arm	Moment
Total Corrected Empty Weight	977.00	27.41	26,778.75

Corrected Empty Weight: 977.00
Center of Gravity: 27.41
Useful Load: 676

 Steve E. Lamb Jr. A&P Mechanic 3013346 2/5/2015
Authorized Signature Title Cert. Number Date

STATEMENT OF WEIGHT AND BALANCE



Aircraft Information

Rex in front Gunard in back

Manufacturer /Type: **DG 505**

N **505KM**

S/N

5E221x59

Date Recorded: **4/22/2008**

By: **Brett R. Mayes**

Pilot: Bill Davis

Installed Equipment:

2 Airspeed Indicator
2 20K Altimeter
2 Winter Varios
Cambridge L-Nav Vario/ gps
Becker 4201 radio
Becker 4401 Transponder
O2 cylinder and 2 MH EDS
Tail Battery
Main Battery

Limits:

Forward CG Limit: **17.28 in.**
Aft CG Limit: **18.90 in.**
Max Gross Weight: **1653 Lbs.**

Weights / Wing Loading:

Wing Area: **174.0 Sq. Ft**
Empty Weight: **965.3 Lbs.**
As Flown Wt.: **- Lbs.**

Empty: **5.55 Lbs/Sq. Ft.**
As Flown: **0.00 Lbs/Sq. Ft.**

Measured Data:

A = **13.75 in.** datum to main gear
B = **210.00 in.** datum to tail wheel
W1 (Empty) = **890.0 Lbs.**
W2 (Empty) = **75.3 Lbs.**

W1 (As Flown) = **.0 Lbs.**
W2 (As Flown) = **.00 Lbs.**

Center of Gravity:

$$CG = \frac{(W_1 \cdot A) + (W_2 \cdot B)}{(W_1 + W_2)}$$

CG (Empty) = **29.05 in.**

CG (As Flown) = **= N/A %** of allowable aft limit

Reference Data:

Glider - Empty
As Flown

Lbs. @ Pilot Stn.

H2O Ballast

Panel Equip.

Tail Ballast

Weight	Arm	Moment
965.3 Lbs.	29.05 in.	28,040 in./Lbs.
.0 Lbs.		
.0 Lbs.	6.00 in.	
.0 Lbs.		
.0 Lbs.	.00 in.	