STATEMENT OF WEIGHT AND BALANCE

Aircraft Information

Manufacturer / Type: Grob 103C Twin III
N 41KP S/N 34176
Date Recorded: 9/29/2010
By: Brett R. Mayes
A&P 569452428

Installed Equipment:
See List dated 2/20/99

Limits:
Forward CG Limit: 10.63 in.
Aft CG Limit: 18.90 in.
Max Gross Weight: 1323 Lbs.

Weights / Wing Loading:
Wing Area: 191.6 Sq. Ft
Empty Weight: 969.3 Lbs.
As Flown Wt.: 1323.3 Lbs.
Empty: 5.06 Lbs/Sq. Ft.
As Flown: 6.91 Lbs/Sq. Ft.

Measured Data:
A = 21.25 in. datum to main gear
B = 192.00 in. datum to tail wheel
W1 (Empty) = 927.0 Lbs.
W2 (Empty) = 42.3 Lbs.

Center of Gravity:
CG = \frac{(W1 \cdot A) + (W2 \cdot B)}{(W1 + W2)}

CG (Empty) = 28.69 in.
CG (As Flown) = 16.04 in. = 65.4% of allowable aft limit

Reference Data:

<table>
<thead>
<tr>
<th></th>
<th>Weight</th>
<th>Arm</th>
<th>Moment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glider - Empty</td>
<td>969.3 Lbs.</td>
<td>28.69 in.</td>
<td>27,811 in./Lbs.</td>
</tr>
<tr>
<td>As Flown</td>
<td>1323.3 Lbs.</td>
<td>16.04 in.</td>
<td>21,223 in./Lbs.</td>
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<tr>
<td>Front pilot</td>
<td>154.0 Lbs.</td>
<td>-44.57 in.</td>
<td>-6,864 in./Lbs.</td>
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<tr>
<td>Rear Pilot</td>
<td>200.0 Lbs.</td>
<td>1.38 in.</td>
<td>276 in./Lbs.</td>
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<tr>
<td>Baggage</td>
<td>31.89 in.</td>
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