### Forward & Aft C.G. Check

#### Aircraft Empty CG

<table>
<thead>
<tr>
<th>Item</th>
<th>Weight (pounds)</th>
<th>Arm (mm.)</th>
<th>Moment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Right Main Wheel</td>
<td>$W_R$ = Scale Reading</td>
<td>$L_R$ = Measured</td>
<td>$W_R \times L_R$</td>
</tr>
<tr>
<td>Left Main Wheel</td>
<td>$W_L$</td>
<td>$L_L$</td>
<td></td>
</tr>
<tr>
<td>Nose Wheel</td>
<td>$W_N$</td>
<td>$L_N$ = negative arm</td>
<td>-</td>
</tr>
<tr>
<td>Computed CG Empty</td>
<td>Empty Weight:</td>
<td>Arm to Datum</td>
<td>Aircraft Moment</td>
</tr>
</tbody>
</table>

**Aircraft Empty CG:**

- PILOT / PASSENGER: 600 *
- HEADER TANK (11 gal.): -200
- "D" Header Tank (6 gal.): -250
- WING TANKS L & R: ____ Gal. each: 600
- REAR BAGGAGE (MAX. 40 Lbs.): 1050

**TOTAL:**

- $TW_F =$
- $TW_R =$

**CG Range:** From 280 mm. to 500 mm.

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**Forward Check:**

Add to the empty weight & aircraft moment items located forward of the computed empty CG (ie. Fuel) plus the pilot.