

## Aircraft Weight and Balance Revision

|                                                                                               |               |                                                                    |                                    |                     |                |
|-----------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------|------------------------------------|---------------------|----------------|
| Tail Number: <b>N114SS</b>                                                                    |               |                                                                    | Date: 02-01-04                     |                     |                |
| Prepared by:<br>Dave Harvey<br>Airtime Aviation<br>63120 Powell Butte Hwy.<br>Bend, Or. 97701 |               |                                                                    | Work Order No:<br><i>04-2355</i>   |                     |                |
|                                                                                               |               |                                                                    | Type Certificate A12S0<br>Data No: |                     |                |
| Aircraft Make:<br>Commander                                                                   | Model:<br>114 | Serial No:<br>114-14291                                            | Time:<br>1765.6                    |                     |                |
| Registered Owner:<br>Scott Smith                                                              |               | Address:<br>69500 Crooked Horseshoe Rd.<br>Sisters, Or. 97759-9851 |                                    |                     |                |
| Maximum Weight 3140.0 lbs                                                                     |               | CG Range FWD +106.91 AFT +110.5                                    |                                    |                     |                |
| As Received; Date of Previous Weight and Balance:                                             |               | <b>Useful Load:</b>                                                | <b>EW:</b>                         | <b>EWCG:</b>        | <b>Moment:</b> |
| Notes: Aircraft weighed with full fuel and oil.                                               |               |                                                                    |                                    |                     |                |
|                                                                                               |               | <b>Weight</b>                                                      | <b>Arm</b>                         | <b>Moment</b>       |                |
| Nose gear                                                                                     |               | 596.0                                                              | +38.7                              | 23065.20            |                |
| Right main                                                                                    |               | 957.0                                                              | +120.5                             | 115318.50           |                |
| Left main                                                                                     |               | 1013.0                                                             | +120.5                             | 122066.50           |                |
| - fuel, usable 66gals                                                                         |               | -396.0                                                             | +108.6                             | -43005.60           |                |
| - oil, usable 6qts                                                                            |               | -8.77                                                              | +43.0                              | -377.11             |                |
|                                                                                               |               | 0.00                                                               | 0.00                               | 0.00                |                |
|                                                                                               |               | 0.00                                                               | 0.00                               | 0.00                |                |
|                                                                                               |               | 0.00                                                               | 0.00                               | 0.00                |                |
|                                                                                               |               | 0.00                                                               | 0.00                               | 0.00                |                |
|                                                                                               |               | 0.00                                                               | 0.00                               | 0.00                |                |
| As Calculated                                                                                 |               | Moment 217067.49                                                   |                                    | New Empty Weight CG |                |
| X As Weighed                                                                                  |               | Weight 2161.23                                                     |                                    | New Useful Load     |                |
|                                                                                               |               |                                                                    |                                    | 100.44              |                |
|                                                                                               |               |                                                                    |                                    | 978.77              |                |
| Signature Dave Harvey                                                                         |               |                                                                    |                                    |                     |                |
| Repair Agency A&P542860257IA<br>or License No:                                                |               |                                                                    |                                    |                     |                |

$$W \times A = M$$

$$M \div W = A$$

$$\frac{M}{W} = A$$

$$MTOW - 3140$$

$$\begin{array}{r} 2161.23 \\ + 978.77 \\ \hline 3140.00 \end{array}$$

$$\begin{array}{r} 978.77 \text{ useful load} \\ 408.00 \text{ fuel at 48 gal} \\ \hline 570.77 \text{ payload} \end{array}$$