

B & B Aircraft Corporation
 10302 South Naper-Romeo Road
 Plainfield, IL 60544

Weight & Balance Report

Cessna C-175
 N-6702E
 S/N 56202

Report Date: 02-06-98

Supercedes computation on: June 11, 1997
 B & B Aircraft Corp. Form of 6/11/97

New Equipment
New Equipment list next page →
6/2-2024

Description of work:

Actual Weight:

This weight and balance determination has been accomplished in accordance with applicable Federal Aviation Regulations and this aircraft is approved for return to service by this Maintenance Facility.

	<u>Weight</u>	<u>Arm</u>	<u>Moment</u>
Nose	497.00	-7.50	-3,727.50
Left Main	633.00	58.00	36,714.00
Right Main	<u>662.00</u>	58.00	<u>38,396.00</u>
Aircraft (Full Main Fuel)	1792.00	39.83	71,382.50
Fuel Deduction: 43.0 gallons	-258.00	48.00	<u>-12,384.00</u>
Oil Deduction: 10 quarts	<u>-18.75</u>	-19.00	<u>356.25</u>
Aircraft Actual Weight:	1,515.25		59,354.75

ECG = $\frac{59,354.75}{1,515.25}$ equals 39.17

Aircraft Gross Weight = 2350.00 Lbs.
 New aircraft empty Weight = 1515.25 Lbs.
 New aircraft Useful Load = 834.75 Lbs. Useful W/Max. Fuel = 558.00

Typical Loading Condition:

	<u>Weight</u>	<u>Arm</u>	<u>Moment</u>
Aircraft	1,515.25	39.17	59,354.75
Pilot & Front Passenger	340.00	36.00	12,240.00
2 Rear Seat Passengers	340.00	70.00	23,800.00
Oil (10 quarts)	18.75	-19.00	-356.25
Allowable Fuel 22.67 gallons	<u>136.00</u>	48.00	<u>6,528.00</u>
	2,350.00		101,566.50

ECG = $\frac{101,566.50}{2,350.00}$ equals 43.22 Limit = 46.4



Rearward Loading Condition:

	<u>Weight</u>	<u>Arm</u>	<u>Moment</u>
Aircraft	1,515.25	39.17	59,354.75
Pilot	170.00	36.00	6,120.00
Oil (10 quarts)	18.75	-19.00	-356.25
Maximum Fuel 43.00 gallons	258.00	48.00	12,384.00
Baggage (allowable 120 Lbs.)	<u>120.00</u>	95.00	<u>11,400.00</u>
	2,082.00		88,902.50

ECG = $\frac{88,902.50}{2,082.00}$ equals 42.70 Limit = 46.4

Edward E. Meyer
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