

WEIGHT AND BALANCE DATA FOR RV-6A N789WM

SERIAL NUMBER 60312

March 15, 2003

Datum	60 inches forward of wing leading edge (L.E.).
C. G. Range	68.7 to 76.8 aft of datum.
Baggage	117 inches aft of datum.
Fuel	70 inches aft of datum
Pilot and Passenger	87.4 inches aft of datum.
Gross Weight	1750 lbs.

Aircraft weighed empty in level flight attitude, including 8qts. of oil and no fuel.

	Weight	Arm	Moment
Right Main Wheel	412	84.25	34711
Left Main Wheel	408	84.25	34374
Nose Wheel	244	28.5	6954
TOTAL	1064		76039

MOMENT/WEIGHT=C.G. 76039/1064 = **71.5 Empty Weight C.G.**

SAMPLE AIRCRAFT LOADING

	Weight	Arm	Moment
Aircraft	1064	71.5	76039
Fuel (38gal)	228	70.0	15960
Pilot	170	87.4	14858
Passenger	170	87.4	14858
Baggage	50	117.0	5850
Total	1682	75.8CG)	127565
Aircraft	1064	71.5	76039
Fuel (7gal)	42	70	2940
Pilot	170	87.4	14858
Passenger	170	87.4	14858
Baggage	50	117	5850
Total	1496	76.5(CG)	114545
Aircraft	1064	71.5	76039
Fuel(38gal)	228	70.0	15960
Pilot	170	87.4	14858
Passenger	000	87.4	00000
Baggage	000	117	00000
Total	1462	73.1(CG)	106857