

Operations Group Chairman Factual Report

Attachment 7 - Weight and Balance Data

ANC10MA068

Sheet1

Empty airplane weight and balance data for N455A, Model DHC-3T

ITEM	WEIGHT POUNDS	ARM INCHES	MOMENT
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Empty weight	5423	131.198	711486.754	Weighed with residual fuel and full oil on 4/26/05. Empty weight increased 14 pounds on 4/15/08 to install AOG Air Support modification STC # SA00438NY. Seat locations copied from Installed Equipment List for this airplane.
Pilot	180	98	17640	
Cockpit passenger	205	98	20090	
Seat 1 Left	230	137	31510	
Seat 1 Right	115	137	15755	
Seat 2 Left	150	165	24750	
Seat 2 Right	155	165	25575	
Seat 3 Left	217	195	42315	
Seat 3 Right	158	195	30810	
Seat 4 Right	0	218	0	
Seat 5 Left or Right	266	250	66500	
Baggage, Aft (Est.)	125	279	34875	
Fuel, 120 gallons*6.75	810	154	124740	Taxi and takeoff draw from forward tank, then cruise fuel is drawn in order of aft/mid/fwd. (Manual tank selections)
Oil, engine, 6 qts	(Included)	-21.9	(Included)	
Oil, tank, 2 qts	(Included)	9	(Included)	
TOTALS	8034	142.6495835	1146046.754	

Allowable Gross Weight (pounds)	8367
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LEMAC	120.2
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The 8,367 pound weight was an increase provided by incorporating AOG Air Support STC # SA00438NY, which added wing strut cuff modifications. The physical change had been completed, but the gross weight change was not yet valid (i.e. properly still 8,000 pounds), because the airplane did not have one of the engines or floats described in the STC.

Sheet1

TEMAC	198.2
CG % of MAC	28.77%