

Aircraft Weight and Balance Revision

Tail Number: N7905P		Date: 5/15/2013	
Prepared by: LONE MOUNTAIN AVIATION 2830 N. RANCHO DR. STE A LAS VEGAS, NV 89130		Work Order No: 7627-05-2013	
		Type Certificate Data No: 1A15	
Aircraft Make: PIPER	Model: PA24-250	Serial No: 24-3136	Time: 6461.80
Registered Owner: EAGLE VIEW LLC		Address:	
Maximum Weight 2900		CG Range FWD AFT	
As Received; Date of Previous Weight and Balance:	Useful Load:	EW:	EWCG: Moment:
Notes: WEIGHED USING ARLYN SCALES MODEL 5-2205, SN 18098A LAST CALIBRATED 5/1/2013			
	Weight	Arm	Moment
LEFT MAIN	636.0	108.5	69006.00
RIGHT MAIN	624	108.5	67704.00
NOSE	616	30.7	18911.20
UNUSABLE FUEL	24	90	2160.00
	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	0.00
	0.00	0.00	0.00
	0.00	0.00	0.00
☐ As Calculated ☒ As Weighed	Moment 157781.20 Weight 1900.00	New Empty Weight CG 83.04	New Useful Load 1000.00

Signature JAMES J. JAKUS

Repair Agency or License No: L80R473Y

8-19-2019 TACH 895.3 AFT 5438.8
 Original weight 1900
 Prop change +1.2
 Governor change +1
 new Empty wt. 1901.2

83.04 157781.2
 1.5 .3
 10.0 10.0
 82.99 new CG 157791.5

3321625AP

LOADING PROBLEM EXAMPLE

Item	Weight (lbs)	Arm (Aft of Datum)	Moment (in lb)
Basic Empty Weight	1,747.4	80.9	141292.3
Engine Oil (9 qts)	17.0	28.0	476.0
Fuel (Inboard Tanks - 56 US gal)	336.0	90.0	30240.0
Fuel (Outboard Tanks - 30 US gal)	180.0	95.0	17100.0
Pilot and Passenger (Front Seats)	310.0	84.8	26288.0
Passengers (Rear Seats)	240.0	118.5	28440.0
Baggage	69.6	142.0	9883.2
Total	2,900.0	87.5	253719.5

Moment Increase With Landing Gear Retracted 1266.0

Total 2,900.0 87.9 254985.5

SAMPLE LOADING PROBLEM

Item	Weight (lbs)	Arm (Aft of Datum)	Moment (in lb)
Basic Empty Weight			
Engine Oil (12 US qts Capacity)		28.0	
Fuel (Inboard Tanks - 56 US gal Usable)		90.0	
Fuel (Outboard Tanks - 30 US gal Usable)		95.0	
Pilot and Passenger (Front Seats)		84.8	
Passengers (Rear Seats)		118.5	
Baggage (200 lb Capacity)		142.0	
Total (2900 lb Maximum Allowable)			

Moment Increase With Landing Gear Retracted 1266.0

Total 1266.0

** NOTE **

100/130 Octane Fuel Density is Calibrated at 6.00 lbs/gal (0.72 kg/L)
 100 LL Fuel Density is Calibrated at: 5.82 lbs/gal (0.70 kg/L)
 Ashless Dispersant Oil Density is Calibrated at: 1.875 lbs/qt or 7.50 lbs/gal (0.90 kg/L)

WEIGHT AND BALANCE PA-24-250 & 260 WITH TIP TANKS

(2900 LB - 3000 LB GROSS WEIGHT)

SN 24-2003 AND 24-2299 THRU 24-3687 AND 24-4000 THRU 4299 EXCEPT 24-4247

THIS MODIFIED WEIGHT & BALANCE GRAPH IS TO BE USED ONLY
WHEN TIP TANKS ARE INSTALLED. IT MUST BE ACCOMPANIED BY
A LETTER OF APPROVAL DATED 2/5/96 ISSUED BY THE TAXI/FAO OFFICE.

APPROVED C.G. RANGE AND WEIGHT

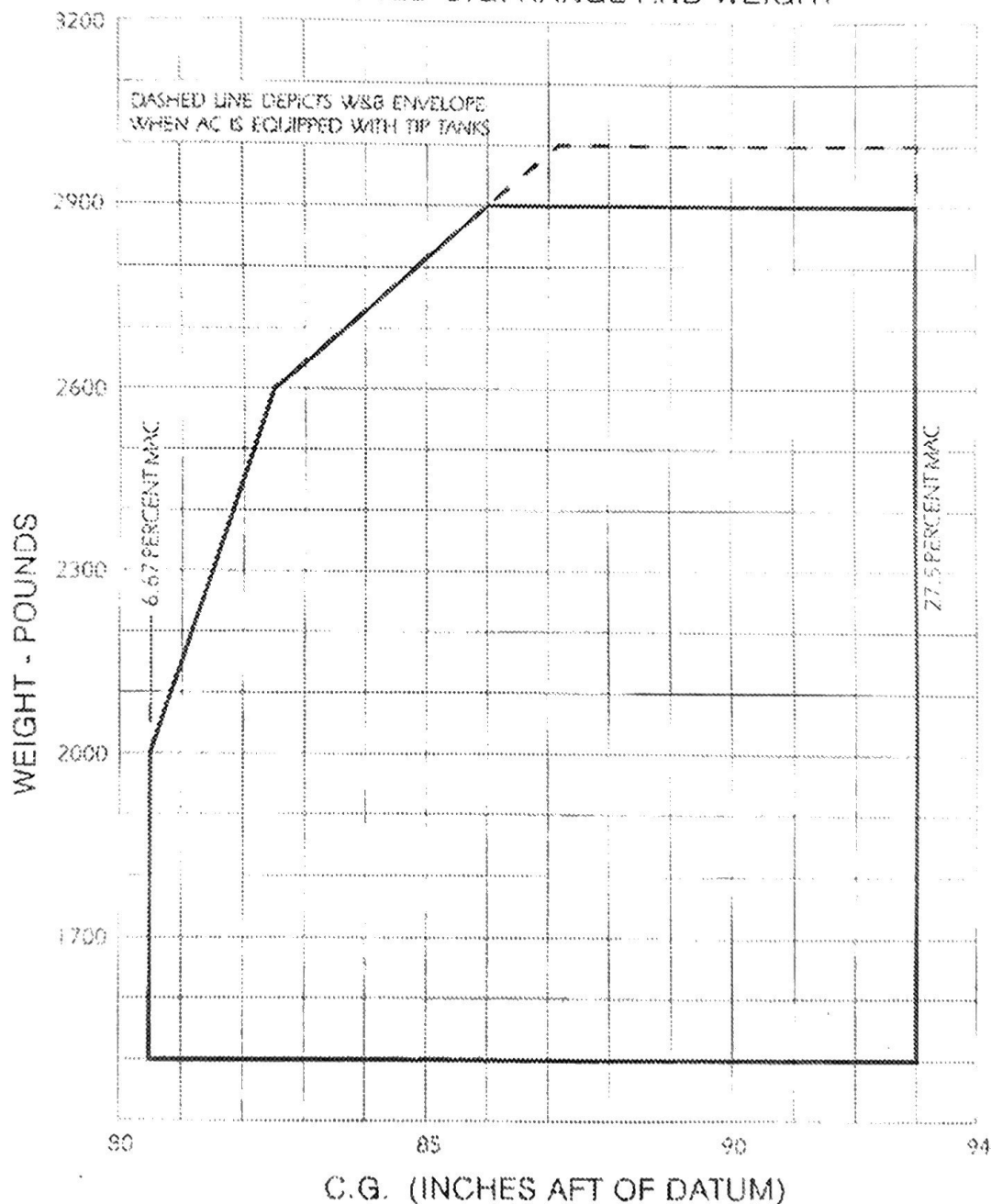


FIGURE 6-01