

**Weight and Balance Table**

**N64056 Cessna 172P**

LOADING		WEIGHT lbs	MOMENT lbs-inch/1000
1	Basic Empty Weight Use data from the plane's current weight and balance sheet that includes unusable fuel and full oil	1489.76	57668.61
2	Useable Fuel (6lbs/Gallon) Standard Tanks 40 Gal. Maximum		
	Reduced Fuel as limited by maximum weight		
3	Pilot and Front Passenger [Stations 34-46]		
4	Rear Passenger		
5	Baggage and Equipment <u>Area 1</u> [cabin stations 82-108] 120 lbs Max (combined weight for areas 1 and 2 is 120lbs)		
6	Baggage and Equipment <u>Area 2</u> [cabin stations 108-142] 50 lbs Max (combined weight for areas 1 and 2 is 120lbs)		
7	Ramp Weight and Moment		
8	Fuel allowance for engine start, taxi, and runup		
9	TAKEOFF WEIGHT AND MOMENT (subtract 8 from 7)		
10	Locate this point on the Center of Gravity Moment Envelope and since this point falls within the envelope, the loading is acceptable.		
*The maximum allowable combined weight capacity for baggage areas 1 and 2 is 120lbs			

\_\_\_\_\_  
Student Name

\_\_\_\_\_  
Flight Date and Time

\_\_\_\_\_  
Instructor Name

Sky-Tec Serial Numbers  
Beginning w/

Lycoming Starters

- (X)N - 9.3 lbs.
- (X)NE - 9.3 lbs.
- (X)NER - 9.3 lbs.
- (X)NH - 10.2 lbs.
- (X)NM - 8.5 lbs.
- (X)NC - 8.9 lbs.
- (X)NE - 8.9 lbs.
- (X)NL - 8.2 lbs.
- (X)NP - 8.2 lbs.
- (X)NT - 6.5 lbs.

Continental Starters

- 2C - 9.2 lbs.
- 2CC - 8.9 lbs.
- 2CCR - 8.9 lbs.
- (X)CS - 6.5 lbs.
- (X)CA - 7.6 lbs.
- (X)CS - 9.4 lbs.

Franklin Starters

- (X)F - 9.2 lbs.

**WEIGHT AND BALANCE/EQUIPMENT LIST REVISION**

NAME: **ANGEL Aviation**      DATE: **3-1-16**  
 AIRCRAFT MAKE/TYPE: **C-172P**  
 REGISTRATION # **N64056**      SERIAL # **17275512**

PREVIOUS DATE:      WEIGHT:      ARM:      MOMENT:

EQUIPMENT LIST	IN	OUT	WEIGHT	ARM	MOMENT
1 (P/N) <b>149-N17ec</b> (S/N) <b>FNE-431604</b> X (Desc.) SKY-TEC STARTER			<b>9.3</b>	<b>-31</b>	<b>-288.3</b>
2 <b>92251038</b> <b>MNB-4016</b> <b>9200038</b>	<b>X</b>		<b>16.44</b>	<b>-31</b>	<b>-509.64</b>
3					
4					

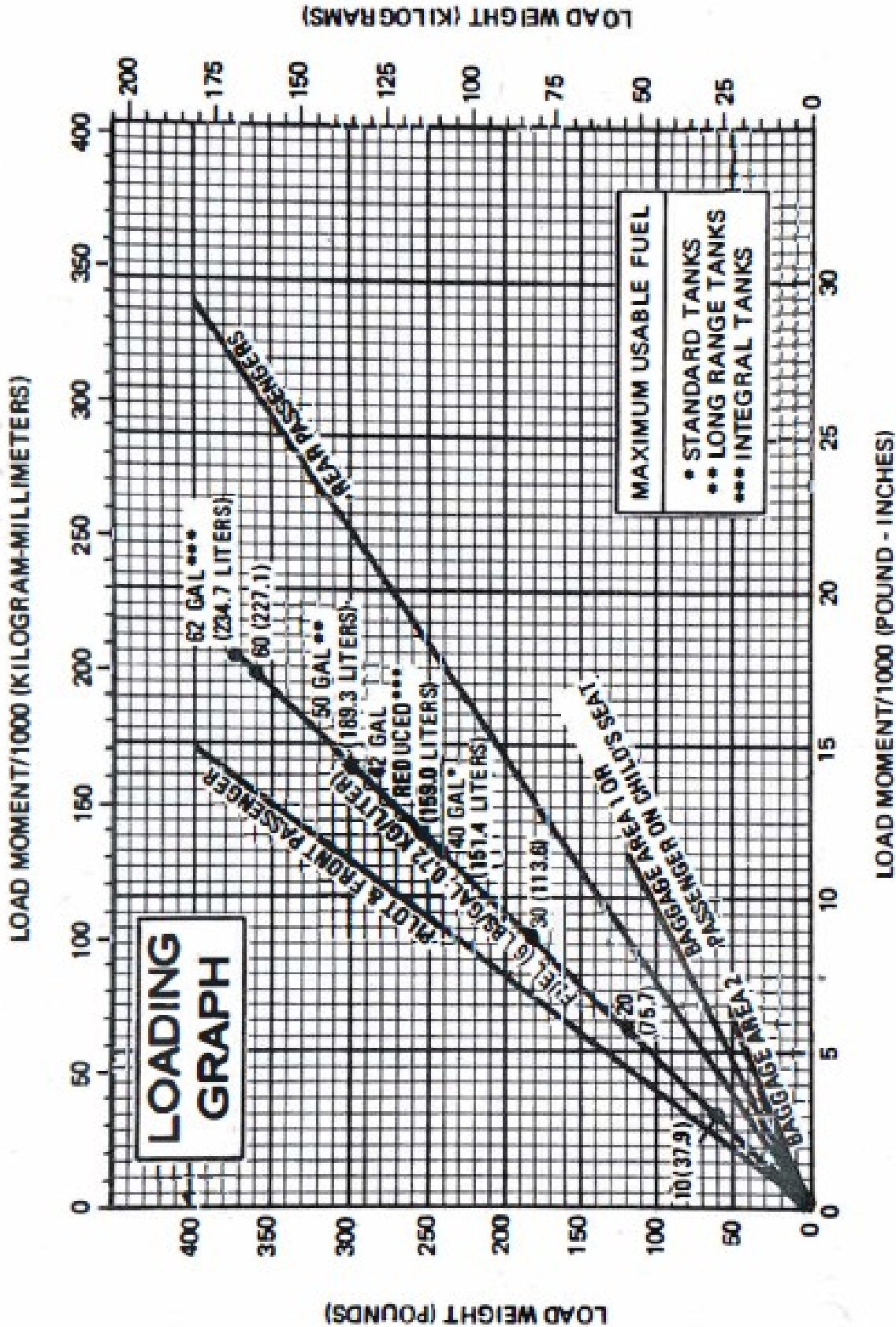
AIRCRAFT EMPTY WEIGHT: **1489.76**  
 ARM: **39.71**  
 MOMENT: **57468.61**  
 GROSS WEIGHT: **2407.0**  
 USEFUL LOAD: **917.24**

SIGNATURE: *[Signature]*  
 AUTHORIZATION: **AIP 2780733**

NOTE: Weight and balance must be completed and attached to pilot's operating handbook.

**FAA - PMA**

This tag certifies that Sky-Tec Model No. **149-N17ec** was manufactured new on **28 Oct 2015** by Sky-Tec under the authority of FAA-PMA No. **PQ0852SW** Supplement No. **7** in accordance with Sky-Tecs FAA-Approved Quality System (14CFR Part 21, Subpart K). This article has been determined to be airworthy. For installation eligibility see [www.skytecdk.com/eligibility.htm](http://www.skytecdk.com/eligibility.htm) by **N64056** (Aircraft) (Mechanic)



**NOTE:** Line representing adjustable seats shows the pilot or passenger center of gravity on adjustable seats positioned for an average occupant. Refer to the Loading Arrangements diagram for forward and aft limits of occupant C.G. range.

Figure 6.6

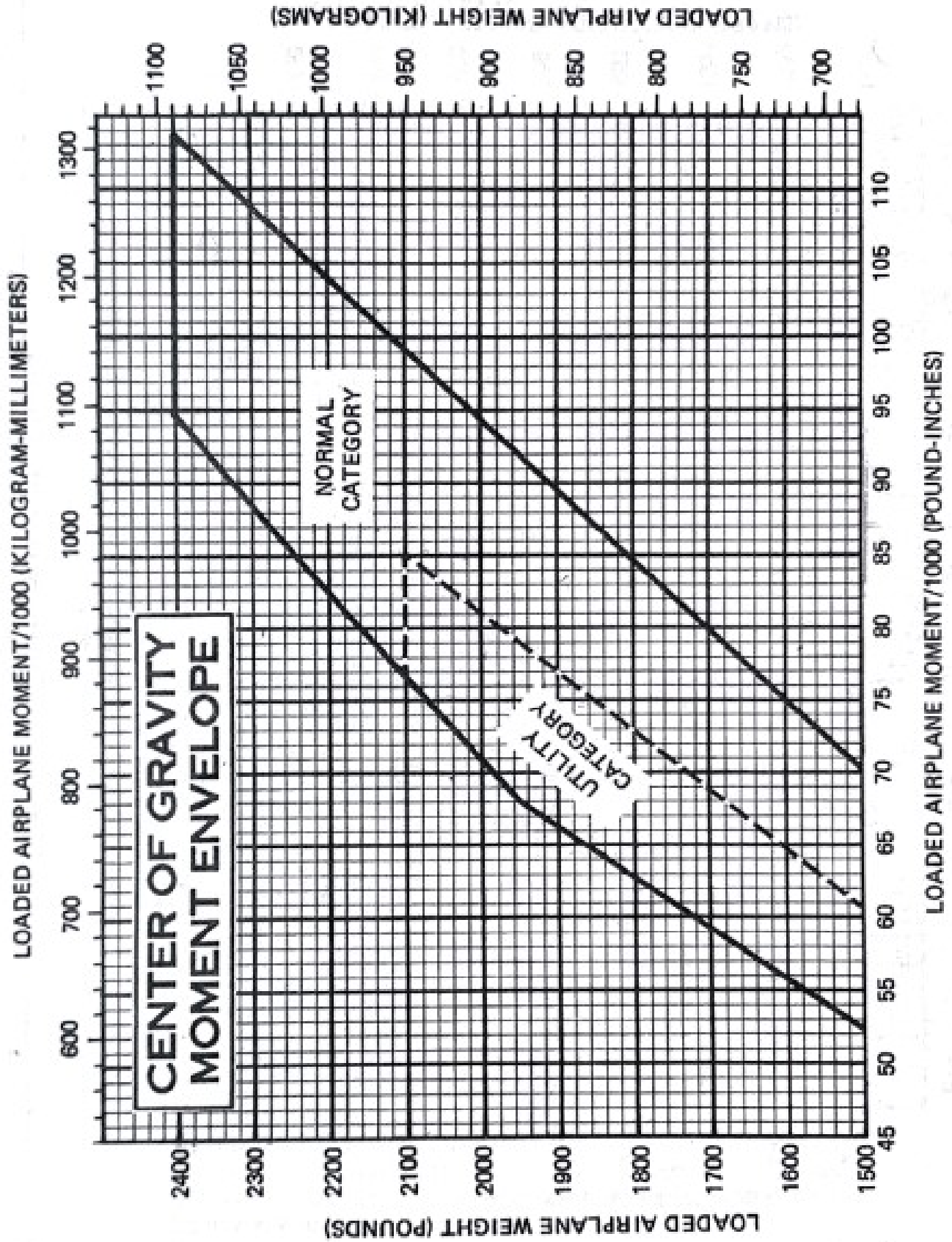


Figure 6.7

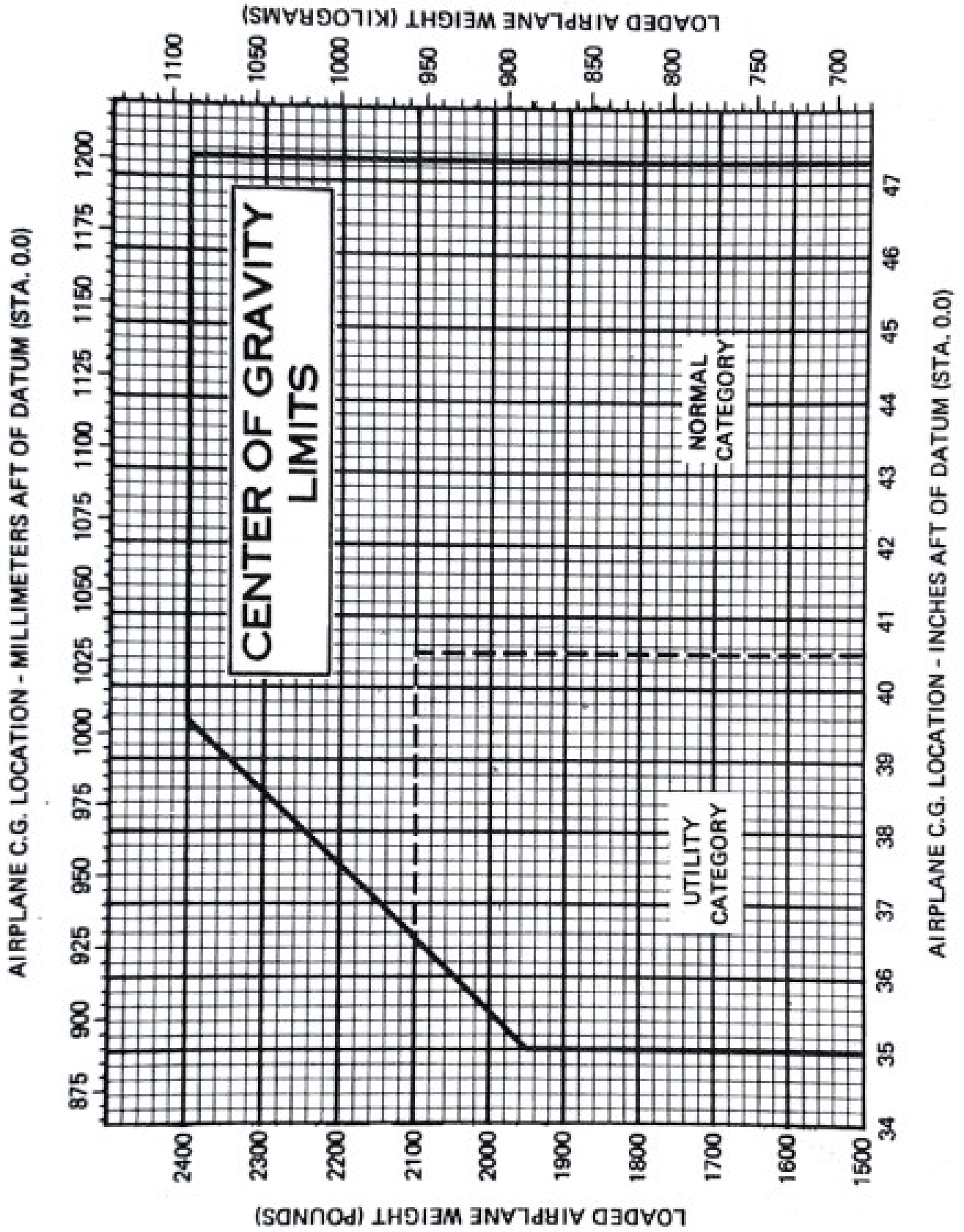


Figure 6.8