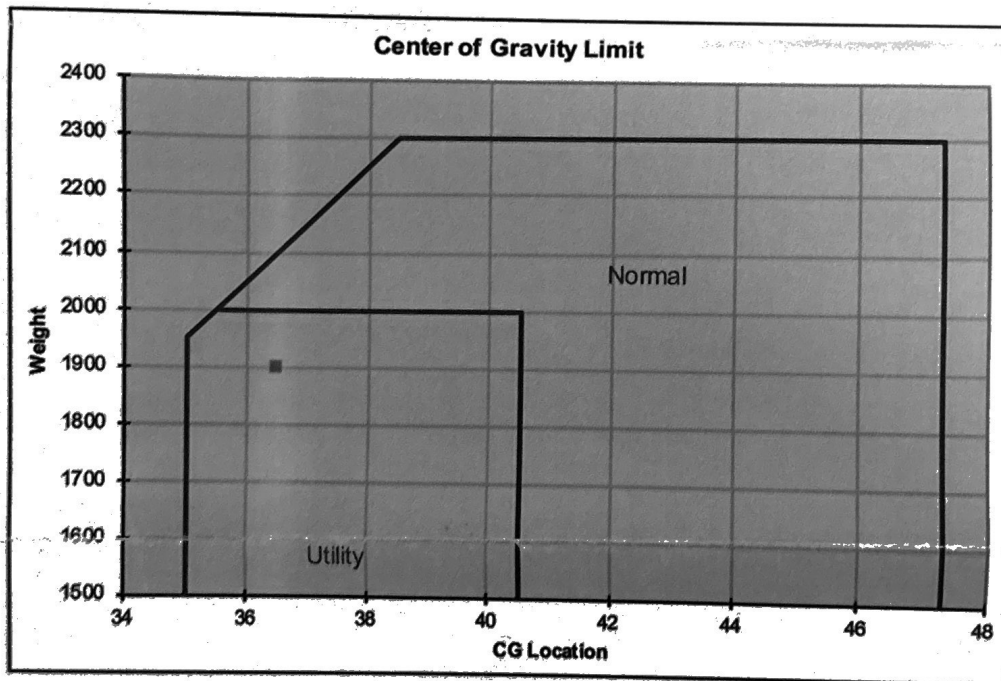


THIS FORM SUPERCEDES ALL PREVIOUS LUG BALANCE FORMS.
 PERTINENT DETAILS RETAINED ON FILE @ AIRTECH, LLC UNDER
 WORK ORDER # 080718-01 DATED SEPT 30, 2018
 Michael Palmer AIRTECH, LLC CRST#5A82960B

Cessna 172F N5540R

Updated per W&B Form dated September 29, 2018 (calculated with Wheel Pants)

Weight and Balance			
Cessna N5540R		Weight (lbs.)	Arm (in.)
Empty weight		1476	34.9
Fuel (useable) 36 gal maxium	36	216	48.0
Pilot (Station 34 to 46)		200	37.0
Co-pilot (Station 34 to 46)			37.0
Passenger #1			73.0
Passenger #2			73.0
Baggage (120 lbs.max)			95.0
Wheel Fairings		17	47.0
Gross (2307 max)		1892	
Fuel used prior to takeoff		3.00	-48.0
Take Off Weight (2300 max)		1895	
CG		36.50	



This calculator is presented as an aid. You, as pilot in command, are solely responsible for assuring correct data and proper loading of your aircraft prior to flight.

PERFORMANCE - SPECIFICATIONS

	MODEL 172	SKYHAWK
GROSS WEIGHT	2300 lbs	2300 lbs
SPEED:		
Top Speed at Sea Level	138 mph	139 mph
Cruise, 75% Power at 7000 ft	130 mph	131 mph
RANGE:		
Cruise, 75% Power at 7000 ft	550 miles	555 miles
36 Gal. No Reserve	4.2 hours	4.2 hours
	130 mph	131 mph
Optimum Range at 10,000 ft	670 miles	670 miles
36 Gal. No Reserve	6.6 hours	6.6 hours
	102 mph	102 mph
RATE OF CLIMB AT SEA LEVEL	645 fpm	645 fpm
SERVICE CEILING	13,100 ft	13,100 ft
TAKE-OFF:		
Ground Run	865 ft	865 ft
Total Distance Over 50-Foot Obstacle.	1525 ft	1525 ft
LANDING:		
Landing Roll	520 ft	520 ft
Total Distance Over 50-Foot Obstacle.	1250 ft	1250 ft
EMPTY WEIGHT (Approximate)	1260 lbs	1330 lbs
BAGGAGE	120 lbs	120 lbs
WING LOADING: Pounds/Sq Foot	13.2	13.2
POWER LOADING: Pounds/HP	15.9	15.9
FUEL CAPACITY: Total	39 gal.	39 gal.
OIL CAPACITY: Total	8 qts	8 qts
PROPELLER: Fixed Pitch (Diameter)	76 inches	76 inches
ENGINE:		
Continental Engine No.	O-300-C*	O-300-D
Horse Power	145	145

*The Model F172, which is manufactured by Reims Aviation S. A., Reims (Marne) France, is identical to the 172 except that it is powered by an O-300-D engine, manufactured under license by Rolls Royce, Crewe, England. All 172 information in this manual pertains to the F172 as well.

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Cessna Aircraft Company
Wichita, Kansas USA

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