

C-GPRZ Aircraft Weighing Aug 24/77

Left main wheel - 344 lbs
 Right main wheel - 346 lbs
 Total mains - 690 lbs ARM 78"
 Nose wheel - 312 lbs ARM 31.5"
 Total empty weight - 1002 lbs
 (Total includes full oil)

	weight	ARM	Moments	
Main wheels	690	78	53820	$\frac{63648}{1002} = 63.52$
Nose wheel	312	31.5	9828	
Totals	1002		63648	Empty CG is 63.52

CG Limits

Max Fwd - 10" aft of wing L.E. = 66.5" aft of Datum
 Max Aft - 14" aft of wing L.E. = 70.5" aft of Datum

Aircraft Loading

		weight	ARM	moment	
Most Fwd Empty Airplane		1002 lbs	63.5	63627	$\frac{79585}{1190} = 66.71$
Loading Pilot		170	82	13940	
Fuel		18	101	1818	within limits
Totals		1190		79385	

Most Aft Empty Airplane		1002 lbs	63.5	63627	
Full fuel	Pilot	170	82	13940	
Max baggage	Passenger	170	82	13940	$\frac{108707}{1562} = 69.59$
Pilot & Passengers	Fuel	30	101	3030	
	Fuel	150	67	10050	within limits
	Baggage	40	103	4120	
Totals		1562		108707	

MAX LOAD Empty Airplane		1002 lbs	63.5	63627	
Extra wt. Pilot		180	82	14760	
Pilot and Passenger	Passenger	178	82	14636	$\frac{111823}{1600} = 69.9$
Full fuel	Fuel	30	101	3030	
MAX Baggage	Fuel	150	67	10050	within limits
	Baggage	40	103	4120	
		1600 lbs		111823	

Baggage compartment placarded
 MAX baggage 140 pounds

Certified correct.

A. Myatt.