

AIRCRAFT WEIGHT AND BALANCE REPORT**8/15/2017****AIRCRAFT** 1N519TB**Weighed by:****Terry F Bolstad****SER #** 802177**Signature:****Date:** 06/19/2017**AIRCRAFT EMPTY WEIGHT AND EMPTY WEIGHT CG**

Weigh pt.	Weight x	Arm =	Moment
Left main wheel	173	42.5	7352.5
Right main wheel	179	42.5	7607.5
Tail wheel	30	177	5310
Empty weight	382		20270

Empty CG: 53.1**Aircraft gross weight:** 710**Aircraft datum location:** Backside of prop flange**Center of Balance Range, from:** 53" to 62" aft of Datum 0**AIRCRAFT MOST FORWARD WEIGHT AND BALANCE EXTREME**

	Weight x	Arm =	Moment
Aircraft empty	382	53.1	20270
Pilot	170	72	12240
Fuel _{max}	108	57	6156
Total:	660		38666
Most forward CG:	58.6		
Most forward CG limit:	53.0		

AIRCRAFT MOST REARWARD WEIGHT AND BALANCE EXTREME

	Weight x	Arm =	Moment
Aircraft empty	382	53.1	20270
Pilot	170	72	12240
Fuel _{VFR min}	6	57	342
Total:	558		32852
Most rearward CG:	58.9		
Most rearward CG limit:	62.0		

PHASE I WEIGHT AND BALANCE EXAMPLE

	Weight x	Arm =	Moment
Aircraft empty	382	53.1	20270
Pilot	220	72	15840
Fuel	75	57	4275
Total:	677		40385
CG:	59.7		
CG limit:	53"-62"		