Weighing report number	AEL/044	
Date	30/05/2020	
Aircraft type	PA28R-201	
Aircraft registration	G-EGPF	
Aircraft serial number	28R7837213	
Maximum total weight authorised (MTWA) LBS	2750 LBS	
Centre-of-gravity limits	REFER TO FLIGHT MANUAL	
Produced by	A.SOOJERI	

Part A basic weight

The basic weight of the airc from weight and balance represented Dated 30/05/20	oort/weighing	1773.	00	LBS	
The C.G of the aircraft (in the at this weight and with the latextended (if applicable)) is	85.07 INCHES		Aft of datum		
The total moment about the condition in LBS/INS is	datum in this	150835.7			
The datum is defined in the	78.4 INCHES AHEAD OF WING LEADING EDGE AT THE INTERSECTION OF THE STRAIGHT TAPERED SECTION				
The basic weight includes weight of items indic	ated below which	n comprise:	and ful s the lis	l of oil and the tof basic	
o Talanda in ang ang ang ang ang ang ang ang ang an	equipment car				
Item	Basic equipm Weigh			OVOT OTTO	
As listed in the equipment	vveigri	L	L	ever arm	
list plus fire extinguisher					
and first aid kit					
				2	
			*		
	,		-5		
				,	
				3	
			-		
Note, for additional equ	ipment refer to th	e flight ma	nual equ	uipment list.	



Part B variable load

Date	30/05/2020	A/C reg	G-EGPF	A/C type	PA28R-201
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The weight and lever arms of the variable load are shown below. The variable load depends upon the equipment carried for the particular role.

Item	Weight in LBS	Lever arm(INS)	Moment (LBS/INS)
Pilot	Use actual	80.5	calculate
Pax	Use actual	118.1	calculate
Baggage	Use actual	142.8	calculate
Cargo area	Use actual		calculate

Note, the actual weight of the pilot must be used for aircraft not exceeding 5,700kg and with less than 12 person seating capacity.

Part C loading information (disposable load)

The total moment change	e when landing gea	ar is retracted is	819 IN/IBS
Item	Weight (LBS)	Lever arm (INS)	Capacity (u.s. gal)
Fuel		95.0	
Engine oil	In	cluded in basic w	eight
Forward baggage area		N/A	
Rear baggage area		142.8	
Passengers row 1	-	80.5	
Passengers row 2		118.1	
Passengers row 3			
Passengers row 4			
Passengers row 5	110000000000000000000000000000000000000		
Passengers row 6			

Note1, fuel density is 6 lbs/us gal.

Note 2, to obtain the total loaded weight of the aircraft, add to basic weight and the weight of the variable and disposable load items to be carried for the particular role.

1 Imperial gal of avgas = 7.2lbs 1 Us gallon of avgas = 6lbs 1 k.g = 2.2046lbs 1 lbs = 0.4536 kg 1 meter = 3.2808 feet = 39.3696 inches 1 foot = 0.3048 meter 1 inch=2.54mm

This schedule was	prepared on	.30/05/2020	and	supersedes	all	previous
ieeupe						

Signed.....

For and on behalf of Aircraft Engineers Limited approval number U.K 145.00827.



Note, the commander of the aircraft shall satisfy himself before take-off that the load carried is of such weight and is so distributed and secured that it may be safely carried on the intended flight.

Weight and centre of gravity calculation

Date 30/05/2020 A/C reg G-EGPF A/C to	ype PA28R-201
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Arm for nose =centre of nose wheel to datum

Arm for L & R is from centre of main wheel to datum

Moment = weight X Arm

Arm As Weighed = Moment Total weigh

Ref	Weight lbs	Arm (in)	Moment (lbs/in)
Nose	464	15.6	7238.4
Left Wheel LBS	663	109.7	72731.1
Right Wheel LBS	646	109.7	70866.2
As Weighed	1773		150835.7

150835.7 = 85.071773

The centre of gravity is 85.07 Aft of datum Remarks

SIGNATURE

DATE 30/05/2020 AUTHORISATION, CAA.00827.001