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<u>Item</u>	<u>Weight</u>	<u>Arm.</u>	<u>Moment.</u>
Empty Weight	4044	- .458	- 1,852
Fuel 20 Imp. Gal. Min.	144	+ 21.5	+ 3,096
Oil 8 Imp. Gals.	72	- 34.0	- 2,448
Pilot	170	- 14.0	- 2,380
Passenger (Front Seat)	170	- 14.0	- 2,380
	4600	-----	- 5,964

Most forward C.G. location is forward of datum =

$$\frac{5964}{4600} = - 1.30 \text{ inches}$$

Loading condition 1

<u>Item</u>	<u>Weight</u>	<u>Arm.</u>	<u>Moment.</u>
Empty weight	4044	- .458	- 1,852
Fuel 42.2 Imp. Gal.	304	+ 21.5	+ 6,536
Oil 8 Imp. Gal.	72	-34.0	- 2,448
Pilot	170	-14.0	- 2,380
Passenger (Front Seat)	170	-14.0	- 2,380
2 Passengers (Rear Seat)	340	+ 36.0	+ 12,240
	5100	-----	+ 9,716

Most rearward C.G. location is aft. of datum =

$$\frac{9716}{5100} = + 1.90 \text{ inches}$$