



COMPUTATION OF EMPTY C.G. LOCATION

	<u>Scale reading</u>
Left Wheel	316
Right wheel	338
Tail load	56
	<u>710</u>

Aircraft weighed in flying attitude - fuel drained - 1 Imp. gallon of Oil remained on board.

Distance C.G. Location aft of main wheels = $\frac{56 \times 194}{710} = 16.5$
 = 14 inches

Distance main wheels aft of DATUM = 3 inches

Distance C.G. Location aft of DATUM = $14 + 3 = 17$ inches

CORRECTION FOR OIL

	<u>Weight</u>	<u>Arm</u>	<u>Moment</u>
Aircraft as weighed	710	+ 17.0	+ 12070
Less Oil (1 Imp. gallon)	9	- 29.0	+ 261
Corrected aircraft weight =	<u>701</u>		<u>+ 12331</u>
Corrected C.G. Location =		+ 17.6 "	