

Calculated for N74317
 Weight & Balance - AS350B3

	WT/Total Weight	Arm	Moment
PILOT	227.00	61.020	13,851.540
CO-PILOT		61.020	0.000
REAR PAX	165.00	99.990	16,498.350
	220.00	99.990	21,997.800
		99.990	0.000
		99.990	0.000
CABIN FREIGHT		88.580	0.000
SIDE HOLDS		125.980	0.000
AFT HOLD		181.100	0.000
PAYLOAD TOTAL	612.00		52,347.690
EMPTY AIRCRAFT	3,218.00	136.470	439,160.460
+ FUEL ON T/O	711.00	136.810	97,271.910
TOTAL T/O 4961 max	4,541.00	129.659	588,780.060
- FUEL BURN 282lb/hr	95.00	136.810	12,996.950
TOTAL LANDING	4,446.00	129.506	575,783.110

AS350B2 FUEL LOADING TABLE

FUEL GAUGE %	US GALLON	POUNDS
100%	143	940
90%	126	846
80%	114	752
70%	100	658
60%	86	564
50%	74	470
40%	57	376
30%	43	282
20%	29	188
10%	12	94
0%	0-0.8	0-5

6.58 X gals= Lbs

- On the VEMD, related numerical value of parameters underlined :
- in yellow when the parameter is in caution or takeoff range,
 - in red when at or above safety limit or maximum takeoff power.
- Moreover, to enhance safety, red underlining flashes.

2.2 WEIGHT AND BALANCE LIMITATIONS

2.2.1 WEIGHT LIMITATION

Maximum permissible internal weight in flight : 2250 kg (4961 lb).

Maximum permissible internal weight for IGE, takeoff and landing :
2250 kg (4961 lb).

2.2.2 LONGITUDINAL CG

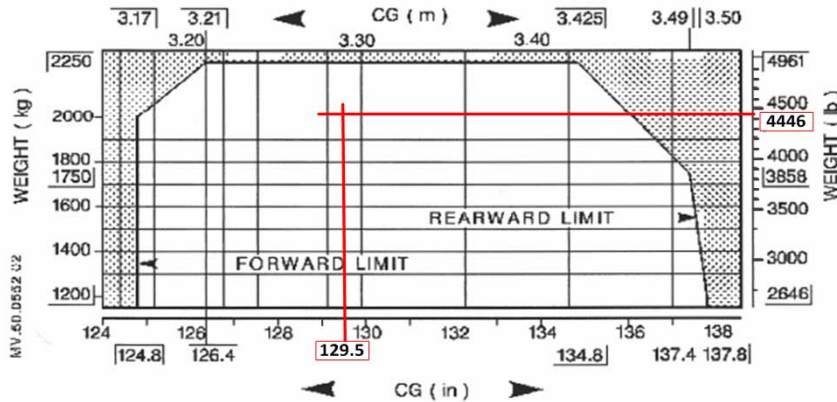


Figure 2-1 : Longitudinal CG Chart

NOTE

The datum is located 3.40 m (133.8 in) forward of the main rotor head center line.