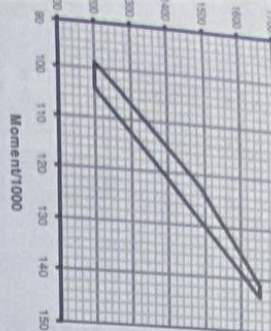


Figure 6-5 Moment Limits

Wt (lbs)	Moment/1000 Minimum	Moment/1000 Maximum
1200	99	104
1250	103	108
1300	107	113
1350	111	117
1400	115	121
1450	119	126
1500	124	130
1550	129	134
1600	135	139
1653	141	143



LIBERTY AIRPLANE TOTAL MOMENT LIMITATIONS
The following chart or table to determine if the weight and moment are within the approved Airplane Loading Worksheet (Table 6-4) are within

Liberty Aerospace, Inc.
XL2

Liberty
AEROSPACE

100 Aerospace Drive
Melbourne, FL 32901

AIRCRAFT MAKE:	Liberty	AIRCRAFT REG. NO	N524XL
AIRCRAFT MODEL:	XL-2	AIRCRAFT SERIAL NO	0020
DATE:	July 16, 2009		

**WEIGHT AND BALANCE REPORT
AND EQUIPMENT LIST SUPPLEMENT**

ITEM DESCRIPTION	WEIGHT (lb)	ARM (in)	MOMENT (lb.in)
Aircraft EMPTY	1175	82.82	97313.50
Pilot		79.78	
Passenger		79.78	
Fuel		101.8	
Gross			

Equipment Installed	WEIGHT (lb)	ARM (in)	MOMENT (lb.in)
Wheel Fairings	YES		
Oil/Air Separator	YES		
Original Ballast	4.5		
Added ballast	2.5		
total ballast	7		
New Empty	1189	82.8	98441.39

Weighing performed
by Mechanics:

AP301146B

ALTIMETER UNITED, P/N 5734 PD-1, S/N 940971
GARMIN 430
GARMIN GTX-327 Transponder, P/N 011-00490-00, S/N 81722722 / Removed
Sandia Aerospace Incodine, P/N 105154-00, S/N 6370 / Installed
AK450 ELT
AK450 345/406 Same Location as AK450 same weight
Removed
Installed