

Factual Report – Attachment 10
Weight and Balance Information

OPERATIONAL FACTORS

ERA18MA099

From: Tyler Fitzsimmons

<[REDACTED]> Date: March 11, 2018 at 9:35:19 PM EDT

To: Chris Vellios <[REDACTED]>

Paul Tramontana

<[REDACTED]>

Subject: Pax info for tonight

DATE: Sunday, March 11th, 2018
SCHEDULED FLIGHT TIME: [18:45](#)

PILOT: Vance

AIRCRAFT: 0LH
OF PAX ON BOARD: 5

TYPE OF FLIGHT: Was an EXP that upgraded day of to a NYC Classic

Current Location: East River, Estimated North of [50th street](#)

PASSENGER INFO:

(Front) [REDACTED] 189 LBS - (Viator) (Center
- left) [REDACTED] 199 LBS - (Viator) (Back
Right) [REDACTED] 201 LBS - (City Kiosk)
(Alternate - right) [REDACTED] 238 LBS - (City Kiosk)
(Back Left) [REDACTED] 116 LBS - (Paying Pax)

PASSENGER IDENTIFICATION:



FLIGHT SHEET:



Tyler Fitzsimmons
Liberty Executive
Charter [165 Western
Rd. Kearny, NJ 07032](#)
P: [REDACTED]





Weight & Balance
Liberty Helicopters
Airbus AS 350B2, SN:7654
Registration: N350LH
Date: October 22, 2016

General Information

The following documentation was used to compile, calculate and produce this report.

- a. Airbus AS350 B2 Flight Manual, Code B, FAA Approved, Section 6
- b. Airbus AS350B2 Maintenance Manuals, Section 08-10-00,3-1 and 08-20-00,3-1
- c. FAA FAR AC43:13-1B, Acceptable Methods Techniques and Practices.

Aircraft Information: Airbus AS350B2

Max Gross Weight: 4961lbs

Lateral Datum Line: aircraft center line

Aft CG limit: 134.8" @ 4961 lbs

Longitudinal Datum Line: 133.8" forward of mast centerline

Forward CG Limit: 126.4" @ 4961 lbs

Lateral CG limit: -7.08" / +5.51"

Certification & Equipment

Weighing location: Kearny, NJ

Weighing equipment: Intercomp JW-EZ RFX Kit

Calibration Due: 5/27/2017

Weight & Balance completed by: Bryant Garzon

	Empty	Full
Fuel	X	
Engine Oil		X
MGB Oil		X
TGB Oil		X
HYD Oil		X

The maintenance described above has been completed in accordance with the applicable requirements of airworthiness.

Signature

Stamp

Date



Configuration A

All doors on, two place front seat
 Empty cabin and cargo holds. No life vests, headsets, manuals,
 tie downs or safety cards.

Weight & Balance
 Liberty Helicopters
 Airbus AS 350B2, SN:7654
 Registration: N350LH
 Date: October 22, 2016

AS WEIGHED

Weight points	Scale Readings (lbs)	Tare	% Fuel	Total Weight	Longitudinal Arm (inches)	Lateral Arm (Inches)	Longitudinal Moment (in/lbs)	Lateral Moment (in/lbs)
Left Main	738	0		738	90.94	-15.689	67113.72	-11578.48
Right Main	1005	0		1005	90.94	15.689	91394.7	15767.45
Tail	1405	0		1405	199.68		280550.4	
Fuel Weight					136.81		0	
Total equipped Empty Weight and Moments				3148			439058.82	4188.963

CG	Longitudual CG	Lateral CG
Total	139.4723062	1.330674396



Configuration B

All doors on, co-pilot seat and duals installed
 Empty cabin and cargo holds. No life vests, headsets, manuals,
 tie downs or safety cards.

Weight & Balance
 Liberty Helicopters
 Airbus AS 350B2, SN:7654
 Registration: N350LH
 Date: October 22, 2016

AS WEIGHED

Weight points	Scale Readings (lbs)	Tare	% Fuel	Total Weight	Longitudinal Arm (inches)	Lateral Arm (Inches)	Longitudinal Moment (in/lbs)	Lateral Moment (in/lbs)
Left Main	731	0		731	90.94	-15.689	66477.14	-11468.66
Right Main	1007	0		1007	90.94	15.689	91576.58	15798.82
Tail	1405	0		1405	199.68		280550.4	
Fuel Weight					136.81		0	
Total equipped Empty Weight and Moments				3143			438604.12	4330.164

CG	Longitudual CG	Lateral CG
Total	139.5495132	1.377716831



Configuration C

All doors on, two place front seat
 Fully stocked cabin and cargo holds. Life vests, headsets, manuals,
 tie downs and safety cards.

Weight & Balance
 Liberty Helicopters
 Airbus AS 350B2, SN:7654
 Registration: N350LH
 Date: October 22, 2016

AS WEIGHED

Weight points	Scale Readings (lbs)	Tare	% Fuel	Total Weight	Longitudinal Arm (inches)	Lateral Arm (Inches)	Longitudinal Moment (in/lbs)	Lateral Moment (in/lbs)
Left Main	752	0		752	90.94	-15.689	68386.88	-11798.13
Right Main	1018	0		1018	90.94	15.689	92576.92	15971.4
Tail	1416	0		1416	199.68		282746.88	
Fuel Weight					136.81		0	
Total equipped Empty Weight and Moments				3186			443710.68	4173.274

CG	Longitudinal CG	Lateral CG
Total	139.2688889	1.309878845



Configuration D

All doors on, co-pilot seat and duals installed
 Fully stocked cabin and cargo holds. Life vests, headsets, manuals,
 tie downs and safety cards.

Weight & Balance
 Liberty Helicopters
 Airbus AS 350B2, SN:7654
 Registration: N350LH
 Date: October 22, 2016

AS WEIGHED

Weight points	Scale Readings (lbs)	Tare	% Fuel	Total Weight	Longitudinal Arm (inches)	Lateral Arm (Inches)	Longitudinal Moment (in/lbs)	Lateral Moment (in/lbs)
Left Main	743	0		743	90.94	-15.689	67568.42	-11656.93
Right Main	1019	0		1019	90.94	15.689	92667.86	15987.09
Tail	1415	0		1415	199.68		282547.2	
Fuel Weight					136.81		0	
Total equipped Empty Weight and Moments				3177			442783.48	4330.164

CG	Longitudual CG	Lateral CG
Total	139.3715707	1.362972616