ATTACHMENT 7

Aircraft Weight and Balance

Smith Corky

From:

Fedok Jason

Sent: To: Friday, October 07, 2011 10:09 AM Hicks Ralph; Smith Corky; Moats Heidi

Cc:

Emery Eric

Subject:

Weight Estimates

Here are the weight estimates provided by Mr. Nicholson:

Paul Nicholson "100 kilos, just over 16 stone" = 220-225

His wife weighed in at 20 stone (280 lbs) 7-8 months ago and was under a "doctor induced diet." He estimated she had lost 25 kilos (55 lbs) making her weight about 225 lbs. at the time of the accident.

He estimated his wife currently weighs about the same as his wife or 225 lbs. [ME reported this weight as 265 lbs.] He stated that Ms. Tamaki was the smallest at approximately 11-12 stone or 154-168 lbs.

Feel free to check my conversions and math but using the above (and the MEs weight) I get a **total passenger weight** estimate of 864 lbs to 883 lbs.

I will write up the interview summary on my way to DC and have my field notes to you tonight. Jason

Aircraft Weight and Balance Revision Form

Date: 10/21/2008

Aircraft
Tail No; N63Q
Make: Belf
Model: 206B
Serial: 2063
Time: 11376
TCD No:

Paul Dudley
Linden Airport

1101 West Edgar Road Linden, NJ 07036

 Weight
 CG Range

 Maximum Weight:
 3,200.00

 FWD:
 AFT:

Name:

Address:

As Received
Previous Weight & Balance Date: 01/30/2008

Empty Useful Empty
Weight: 1,911.52 Load: 1,288.48 Weight CG: 116.48 Moment: 222,648.60

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Empty Weight:	1,914.52	Useful Load:	1,285.48	Empty Weight CG:	116.30	Moment:	222,665.10

Notes:

As Calculated
As Weighed

Prepared By: Michael E. Dillon

Printed Name:

Signature.

ne: Michael E Dillon

Repair Agency License No:



288 Christian Street Suite 107 Oxford, Connecticut 06478 (631) 756-5500

Aircraft Weighing Report

MANUFACTURER:

Bell

MODEL:

206B

REGISTRATION:

N63Q

SERIAL NO.:

2063

Approved for Return to Service:

Michael Tarascio

Weight Specialist

Approved Authorized Signature

October 6, 2011

Date Completed

Aircraft Weight and Balance Report Number 11-4203

Repair Station no. IDDR252K

PROPAIR AVIATION SERVICES, INC. Also Performs:

- 24 Month IFR/VFR Certifications 91.411 & 91.413
- Annual RVSM Certifications

For more information about our services call us at

IMPORTANT NOTES RELATIVE TO THIS WEIGHT AND BALANCE REPORT

- 1) Carefully review this report. Contact PROPair if you have questions. Assure that signatures are provided on cover page.
- 2) A copy of this report will be furnished for a period of three (3) years upon request. Repair stations are required to maintain a copy for two (2) years (FAR 145.61).
- 3) This report references the up-to-date equipment list which was applicable at the time of this weighing. If report is filed separately, attach equipment list. If report is inserted in Pilot's Handbook, position this information in front of equipment list.
- 4) The Following information will be placed in the aircraft log book:
 - a. Notation that aircraft was weighed and date weighed.
 - b. Basic Empty Weight. (If oil is included, so note).
 - c. Center of Gravity location.
 - d. Associated moment.
 - e. Aircraft Weighing Kit designation and date calibrated.
 - f. Authorized signature.

For your convenience, a label containing the above information is provided below.

	F		GHT AND BALAN umber 11-4203	ICE	
DATE WEIGHED 6-Oct-11		MODEL	Bell 206B	SERIAL NUMBER 2063	
PLACE WEIGHED Republic Airport (FRG)		WEIGHING PERSO Michael Tarasci		
REACTION	SCALE READING	TARE	NET WEIGHT	ĀRM	MOMENT
LEFT MAIN	452	0	452		
RIGHT MAIN	590	0	590		
SUB-TOTAL (BOTH MAIN)			1042	179.9	187456
NOSE X TAIL	918	0	918	55.1	50582
TOTAL AS WEIGHED			1960	121.45	238038

CONFIGURATION AND MEASUREMENTS

MAC 0 LEMAC 0

Main Jack Point: 179.9

Nose/Tail Jack Point: 55.1

OWNER: DUDLEY PAUL P 1101 W EDGAR RD LINDEN, NJ 07036



	COMPUTATIONS						
DESCRIPTION	NET WEIGHT	ARM	MOMENT				
TOTAL (AS WEIGHED)	1960	121.45	238038				
OIL IN AIRPLANE: 14 Qts.	0	0.00					
FUEL IN AIRPLANE	0	0.00	C				
(SEE CALCULATION BELOW)	j						
TOTAL OF ITEMS WEIGHED BUT NOT PART OF BASIC WEIGHT	0		0				
(SEE CALCULATION BELOW)							
TOTAL OF BASIC ITEMS NOT IN AIRCRAFT WHEN WEIGHED	186.8	107.1	20006.28				
(SEE CALCULATION BELOW)							
BASIC EMPTY AIRPLANE	2146.8	120.20 % M.A.C.	258044				
BASIC EMPTY AIRPLANE WITH FULL OIL	2146.8	120.20 % M.A.C.	258044				

FUEL COMPUTATIONS							
FUEL	WEIGHT	ARM	MOMENT				
SPECIFIC GRAVITY OF FUEL:5.85							
USABLE			σ				
UNUSABLE	0	0.00	О				
UNUSABLE			ō				
ÜNÜSABLE		<u>.</u> , , ,	0				
TOTAL	0	0.00	0				

ITEMS WEIGHED B	ITEMS WEIGHED BUT NOT PART OF BASIC WEIGHT							
DESCRIPTION	WEIGHT	ARM	MOMENT					
TOTAL	Ö		O					
BASIC ITEMS NO	IN AIRPLAN	E WHEN WE	IGHED					
BLADES	186.8	107.1	20006.28					
TOTAL	186.8	107.1	20006.28					

REACTIONS USED	ELECTRONIC WEIGHING KIT
rear jack points	TYPE: JW-75
FWD fuselage jack point	CALIBRATED: May-11
REGISTRATION: N63Q	CG LIMITS
TYPE CERT. NO. H2SW	See POH or Loading Graph.
MAXIMUM GROSS WEIGHT: 3200 LBS.	
USEFUL LOAD: 1053.2 WITH OIL at Full	
REMARKS: Engine oil at max. Transmission oil level undetermined. Aircraft weighed without blades.	





Authoriz	1 11 1	This aircraft weighed in accordance with accepted procedures and is approved for return to service.	* Includes Full engine oil. All Stores Removed.	Weigh Kit No.		Basic Empty Wgt.	Acft Model	288 Christian Street Suite 107 / Oxford, Connecticut 06478
Authorized Signature	(_	n accordance with	gine oil. All St	JW-75	.0	2146.8	Bell	site 107 / Oxford,
\		accepted procedures	ores Removed,	Calibr. Date	% MAC	* C.G. 120.20	Bell 206B	Connecticut 06478
	Pre	and is approved		May-II	•	Mom.	Reg. No.	₹cq
Title	President	for return to se		11		258044	N63Q Date 10/6/11	Repair Station No. IDDR252K
1		rvice.					Date 10	IDDR252
							6/11	×

	TIME	DATE
RECORD OF VISIT CONFERENCE OR TELEPHONE CALI	1:45 PM	10/13/2011
NAME (S) OF PERSON (S) CONTACTED OR IN CONFERENCE AND LOCATION		ROUTING
Mr. Paul Nicholson		SYMBOL INITIALS
SUBJECT		
Investigate Bell 206 accident E 30 st. Heliport Phone Conver	sation with	
Mr. Paul Nicholson		
DIGEST		<u> </u>
This Office contacted Mr. Paul Nicholson, passenger, at	and h	ad a
company with him provides the bade weight of himself		
conversation with him regarding the body weights of himself a	and his wile Ha	rriett
Nicholson. Mr. Nicholson stated that he was approximately 10	Kilos (223 LB	S) and that his
The state of the s	102200 1020 20	<u> </u>
wife was under a doctors care for weight loss and was approx:	imately 22 Ston	e (308 LBS) when
first weighed at the doctors office. He then added that She I	nad lost approx	imately 25 Kilos
155 770		
(55 LBS) and was approximately 253 LBS the day of the acciden	nt.	
, <u> </u>		TIM 1 / 1
P P November 1 and		<u> </u>
		taka <u> </u>
CONCLUSION, ACTION TAKEN, OR REQUIRED		
Case Pending		
	17	
	-	
DATE TITLE SIGNATURE	Trotal / C	Market Ma
16/12/2617 Aviation Cafety Ingrestor	Stephen R.	Ferrera
10/13/2011 Aviation Safety Inspector	- scephen K.	terrara

The state of the s	TIME	DATE	
RECORD OF VISIT CONFERENCE OR TELEPHONE CALL	0.00		/0015
	3:30 PM	10/14	
NAME (S) OF PERSON (S) CONTACTED OR IN CONFERENCE AND LOCATION Dr. Graham Chief Medical Examinar NVC		ROUT	
Dr. Graham Chief Medical Examiner NYC	,	SYMBOL	INITIALS
ME: Phone #			
			-
SUBJECT	<u> </u>		
Investigate Helicopter Accident E30 St. Heliport			
	11-1111-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-		
Phone Conversation with Dr. Graham	<u> </u>	<u> </u>	İ
This Office contacted Dr. Graham at the Chief Medical Examine:	rs Office and w	was infor	med by
Dr. Graham that Helen Tamaki weighed approximately 185 LBS on	the day of the	e acciden	t. Dr.
Graham also stated that She was weighed at 190 LBS at the hos	nital and that	She may	have
oranam aroo braced that one was werghed at 190 Bbs at the hos	ortar and chac	DITC May	110.40
been a few pounds heavier at the time of death due to fluid in	ntake while on	life sup	port.
The Doctor also indicated that the family assembled that	Modical E	and Offi	0 225
The Doctor also indicated that the family requested that the	Medical Examin	ers Offic	e not
perform an autopsy on Helen Tamaki which was agreed upon by b	oth the family	and the	ME's
		_	
office.			
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CONCLUSION, ACTION TAKEN, OR REQUIRED			
Investigation Continuing			
			/
DATE	9041	Whenever have a	2
10/14/2011 Aviation Safety Inspector	Stephen R.	Ferrara	

			TIME	DATE	
RECORD OF V	/ISIT CONFERENCE OR	TELEPHONE CALL	1:00 PM	10/12	/2011
	OR IN CONFERENCE AND LOCATION			ROUT	ING
r. Graham, Chief M	edical Examiner NY County	y Medical Examiners	Office	SYMBOL	INITIALS
	· · · · · · · · · · · · · · · · · · ·				
UBJECT					
onversation regard	ing the weight of decease	ed helicopter passen	ger Sonia		
arra.					
GEST		· ·			
	ed the NY County Medical	Examiners Office at		and ha	d a
		_			111
onversation with D	r. Graham regarding the	examination he perfo	rmed on Sonia	Marra.	The
onton indiases as	at ha madula de de de	ad and that Char	shed 265 page	lm T =1-	
octor indicated th	at he weighed the decease	eu and that she weig	ned Zob Pound	is. I gIS	U .
equested documenta	tion regarding the the ex	xamination and Dr. 6	Graham referre	ed me to	the NY
1				_	
egal Department	for official	copies of the autor	sy report or	the case	file.
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CONCLUSION, ACTION TAKEN, OR RE	OUHRED		<u> </u>		
Case Pending					
		-			
			1		
DATE	TITLE	SIGNATURE			
10/12/2011	Aviation Safety Ins	spector	Stephen R.	Ferrara	
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Ì	This	certifies that	(Full name ar	nd addres	55):		
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	Als	kennet MANTERICK	h dest	cine	r md		
	FΑ	Torm same	(3.08) Supersi	des Previ	ous Edition	-	.,,,,

Flight Crew: PILOT: Mr. Paul D Dudley Pilot Cert Commercial rotorcraft Not Injured The pilot has prior incidents. Weight: 203 Lbs- Medical Cert. **Passengers** PAX 1 Name: Paul Nicholson Nationality Great Britain Not verified Condition: Stable, NYU Hospital -Treated and released Home address: Temp address Phone Phone Weight: 223Lbs- Record or Conversation PAX 2 Name: Harriet Nicholson - Wife of Paul Nicholson Nationality Great Britain Not verified (Born in Portugal) Condition: Critical Bellevue Hospital Home address: Temp address Phone Phone Weight: 253Lbs- Record of Conversation PAX 3 Name: Helen Tamaki - Partner of Sonia Marra Nationality New Zealand- Not verified Condition: Critical Bellevue Hospital Home address: Temp addrage Phone Phone Weight: 185 Lbs- NYC ME Record of Conversation PAX 4 Name: Sonia Marra - Partner of Helen Tamaki, and Daughter of Harriet Nicholson Nationality Great Britain - Not verified Condition: Deceased pronounced by NYC ME at the scene

Home address
Temp address

Phone

Phone _....

Weight: 265 Lbs- NYC ME Record of Conversation

