

WPR22FA151

OPERATIONAL FACTORS

Specialist's Factual Report - Attachment 5

Weight and Balance Information

July 23, 2022

GEM AIR, LLC.

Cessna 208B

WEIGHT AND BALANCE

CARGO CONFIGURATION (with Side Panels & Net)

VFR ☐ IFR ☒ Company TAS Departure time: Proposed 7 Estimated time en-route 1 HOURS 20 MIN.
 Alternate Airport Destination contact Color of A/C WHITE w/Red & Grey Stripe Flight Number Pax Cargo

N928JP Date: 4/13/21

PIC: Britney

F/O:

ROUTE: From KSLC

to KBTI

to KSLC

to

Paying Agency: UPS

Paying Backhaul 1)

2)

	WEIGHT	ARM	# PAX	CARGO	ECTM DATA
EMPTY WEIGHT	5000.6	188.0			
ROW 1 (PILOT/CO-PILOT)	160	135.5		Time Out 6:50	OAT C
ZONE 1	500	172.0			
ZONE 2	500	217.8		Time Off	PRESS. ALT.
ZONE 3	300	264.4		Max % 90%	IAS
ZONE 4	300	294.5		Cargo Wt. 1813	TQ
ZONE 5	125	319.5		ETA 1:	NP
ZONE 6	100	344.0		ETA 2:	ITT
Cargo Pod A		132.4			NG
Cargo Pod B	40	171.43			WF
Cargo Pod C		233.4			ENG HRS
Cargo Pod D		287.6			
FUEL	1300	Variable			LDGS/ENG CYC
De-Ice Fluid	186	Variable		UPS Fuel Purchases (Where, Gallons, \$)	Take Off 4635
# 1 Take Off Weight	8762.6	201.4		140 gallons	Add
# 2 Take Off Weight					Total
# 3 Take Off Weight				MTT 1665 MTC 1665 LSPD 85	

#1 T.O. C.G.: Forward Limit 198.7 Actual C.G. 201.4 Aft Limit 204.35
 #2 T.O. C.G.: Forward Limit Actual C.G. Aft Limit 204.35
 #3 T.O. C.G.: Forward Limit Actual C.G. Aft Limit 204.35

All C.G. entries inches aft of datum. Max Ramp Wt: 8785.0 lbs Max GTOW 8750.0 lbs
 All weight entries in US Lbs. Max Land Wt: 8500 lbs Useful Load 3749.4 lbs

	Block Time	HOBBS Time	Block Time	HOBBS Time	Block Time	HOBBS Time	Next Inspection Due
IN							Date 4/25/22
OUT	6:50	118.1					Time 183.1
Total Time							

Weather:

1-1286

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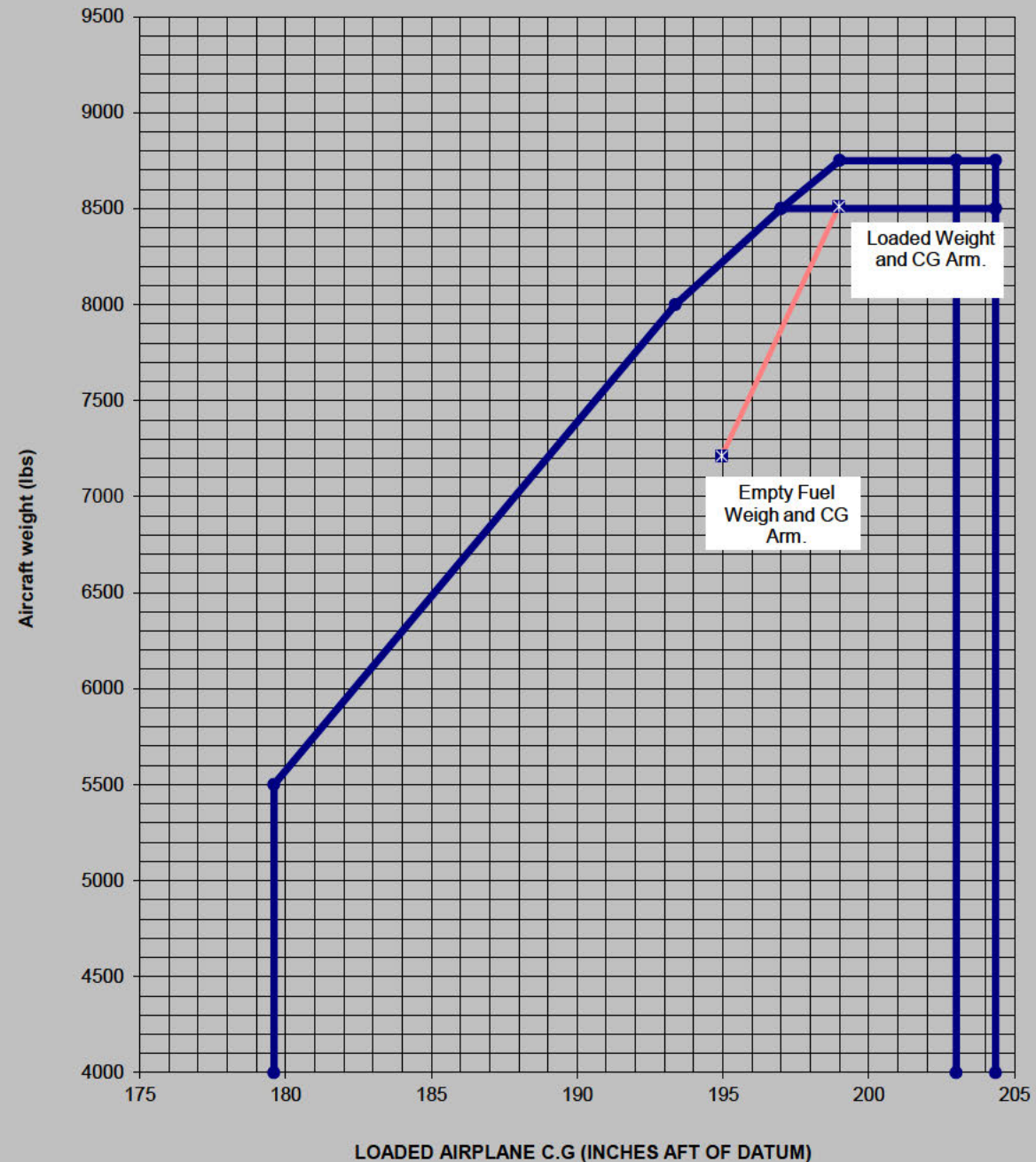
2013 Cessna 208B G1000 675 SHP				
S/N: 208B0000; N000A				
D/A: 00/00/00; No Where, ND				
Max TO wt.	8750			
max ldg. wt.	8500			
useful load =	3749.4			

Loaded Aircraft				
	wt.	arm	mom/1000	
Empty wt.	5000.60	188.00	940.11	
Fuel Main	1300.00	xxx	287.60	194 gallons
Pilot 1	160.00	135.50	21.68	
Co-pilot 2	0.00	135.50	0.00	
Zone 1	500.00	172.00	86.00	
Zone 2	500.00	217.80	108.90	
Zone 3	300.00	264.40	79.32	
Zone 4	300.00	294.50	88.35	
Zone 5	125.00	319.50	39.94	
Zone 6	100.00	344.00	34.40	
Pod Zone A	0.00	132.40	0.00	
Pod Zone B	40.00	182.10	7.28	
Pod Zone C	0.00	233.40	0.00	
Pod Zone D	0.00	287.60	0.00	
TKS Fluid	186.00	199.48	37.10	
Total Wt.	8511.60	198.97	1693.58	-238 lbs.

PLOT DATA				
Envelope		Actual Data		
mom/1000	wt.	mom	weight	
180	4000	199.0	8511.6	Loaded a/c
180	5500	195.0	7211.6	empty fuel
193	8000			
197	8500			
204	8500			
204	8500			
197	8500			
199	8750			
203	8750			
203	4000			
203	8750			
204	8750			
204	4000			

Note 1: Shaded areas require manual input
Note 2: A & b tags must be positioned manually

LOADED AIRPLANE C.G. WORKSHEET





Feeder Aircraft Loose Load Manifest

Sort Date

4/13/22

Flight Data

Due Date (DD/MM/YY) 4/13/22	Origin Gtwy/Center (EX 8329S) 8429-S	Dest Gtwy/Center (EX 8419P) 8331	Flight Date (EX DD/MM/YY) 4/13/22
Flight Number (EX AMF1234) GEM1826	A/C Tail Number (EX N905GW) N 928JP31	A/C Type (EX CN208) CARAVAN	SLC-BY1

ULD Created on Sort/Multiple Destination Flight Segments/PM Center Feed to Extended Gateway (Circle One)

ULD Number/Pkg Car Number	Destination	Total Loose Packages	Total Bags	Total Volume	Total Weight
44799	Burley	160	8	168	1815

A/C Utilization (EX 75%)

9090

Utilization is total # of zones utilized divided by total zones available
(EX: 3 zones utilized divided by 6 on a/c equals: 50%)

Total Volume on A/C (EX 345)

271

Total Wght on A/C (EX 1,200 LBS)

1815

Number of Air Dangerous Good Packages

0

of ADG packages - this section is completed/filled in by the SFAC Flight Crew.

Manifest Completed by:

Flight Crew Signature:

Flight Crew Signature: This signature certifies that the loading of the SFAC was completed under the SFAC Flight Crew's direction and a member of the SFAC Flight Crew has recorded the correct number of ADG packages tendered for the flight in the box to the left.



Aircraft Service Record

MENZIES COP

DATE 4.13.22	CUSTOMER: 141	GAD	FLIGHT NO: 1826
A/C TYPE: Cessna	TAIL NBR: 928	ORIGIN: JLC	DESTINATION: BYT

Jet A ☒	Jet A w/Additive ☐	Bonded Jet ☐	Auto ☐
100 LL ☐	Diesel ☐	Other ☐	Other ☐

FOB ☐	Preload ☐	Recirc. ☐	Callback ☐
Defuel ☐	Refuel ☒	Inop Gauge ☐	GSE ☐

Comments: START Apr 13, 2022 06:53:11
FINISH Apr 13, 2022 07:01:34
TRUCK # 9853
TICKET NUMBER 122189
PRODUCT JET A
SYS. GRS TOTAL BEGIN GAL 12699102
SYS. GRS TOTALIZER GAL 12699242
GROSS DELIVERED GAL 140
TAIL # 928
EMPLOYEE ID 201337
PEAK FLOWRATE GAL/min 65

TOTAL GALLONS: 140

Supplier: Menzies	Unit: 9853	Location: Cam A11
FUELER: Smith	NBR: 4	ON A/C: OFF A/C:

Received by: (Customer) X

DID YOU SECURE THE FUEL CAPS AND PANELS?

[illegible]