WEIGHT AND BALANCE REPORT

BELL 206L-1, S/N 45375, N429ZA

01-30-2020

THE ABOVE IDENTIFIED AIRCRAFT WEIGHED THIS DATE IN HIGH SKID CONFIGURATION WITH STANDARD BELL CLOTH INTERIOR, 7 PLACE CONFIGURATION. AIRCRAFT HAS OEM LAP BELTS INSTALLED AT ALL POSITIONS AND SHOULDER HARNESSES LOCATED AT PILOT AND CO-PILOT POSITIONS. AIRCRAFT WEIGHED WITH ALL EQUIPMENT LISTED ON EQUIPMENT LIST DATED THIS DATE. AIRCRAFT WEIGHED WITH FULL OIL AND HYDRAULICS AND 300 lbs. JET A FUEL (WEIGHT 6.8 lbs. PER GALLON). AIRCRAFT WEIGHED IN CLOSED HANGAR, LEVELED WITH CALIBRATED PRECISION LEVEL. ALL DOORS WERE INSTALLED AT TIME OF WEIGHING.

 **AIRCRAFT WEIGHED ON M2000-3 DIGITAL SCALES, CALIBRATION DUE DATE 2/11/2020**

AIRCRAFT AS WEIGHED; WEIGHT STA. LOC.

FRONT LEFT JACK POINT 657.00 55.16

RIGHT JACK POINT 709.00 55.16

REAR CENTER JACK POINT 1369.00 204.92

AIRCRAFT WEIGHT AS WEIGHED 2735.00

**AIRCRAFT NEW EMPTY WEIGHT WEIGHT ARM MOMENT**

FORWARD JACK POINTS 1366.00 55.16 75348.56

REAR JACK POINT 1369.00 204.92 280535.48

JET A FUEL REMOVED. (300 lbs.) -300.00 135.70 - 40710.00

**NEW EMPTY WEIGHT 2435.00 129.43 315174.04**

**AIRCRAFT WEIGHT AND BALANCE LIMITS:**

**FORWARD C.G. LIMITS.**

1. **FROM 2400.0 lbs. G. W. TO 2800.0 lbs. G. W.**

**FORWARD C.G. LIMIT IS 118.0**

1. **FROM 2800.0 LBS. G. W. TO 4050.0 LBS. G. W.**

**C.G. MOVES LINEARLY AFT FROM STA. 118.0**

**TO STA. 119**

1. **FOR EXTERNAL CARGO ONLY FROM 4050.0 LBS. G. W.**

**TO 4250.0 LBS. FORWARD G. W. MOVES LINEARLY**

**AFT FROM STA. 119.0 TO STA. 119.2**

**PAGE 2 OF 2**

**AFT C.G. LIMITS:**

1. **FROM 2400.0 LBS. G. W. TO 2900.0 LBS. AFT C. G.**

**IS STA. 128.5**

1. **FROM 2900.0 LBS. G. W. TO 4050.0 LBS. G. W. AFT C.G. MOVES LINEARLY**

**FROM STA. 128.5 TO STA. 127.0**

1. **FROM 4050.0 LBS. G. W. TO 4250.0 AFT C. W. LIMITS MOVE FORWARD**

**LINEARLY FROM STA. 127.0 STA. 126.7. THIS IS FOR**

 **EXTERNAL LOAD ONLY.**

**SAMPLE WEIGHT AND BALANCE**

**MOST AFT C.G. WEIGHT ARM MOMENT**

AIRCRAFT EMPTY WEIGHT 2435.00 129.43 315162.05

PILOT (170.0 LBS.) 170.00 65.00 11050.00

PASSENGER (170.0 LBS. FWD.) 170.00 65.00 11050.00

PASSENGER (2 @ 170.0 LBS. MIDDLE) 340.00 91.00 30940.00

PASSENGERS ( 2 @ AFT POSITION) 340.00 129.00 43860.00

MINIMUM FUEL (15 GALS. @ 6.8 LBS.) 102.00 136.40 13912.80

**MOST AFT C.G. 3557.00 \*119.76 425974.85**

**MOST FORWARD C.G. WEIGHT ARM MOMENT**

AIRCRAFT EMPTY WEIGHT 2435.00 129.43 315162.05

PILOT (170.0 LBS.) 170.00 65.00 11050.00

PASSENGERS MIDDLE (170.0 LBS.) 340.00 91.00 22100.00

PASSENGERS (3 @170.0 LBS. AFT SEATS) 510.00 129.00 65790.00

\*FUEL (84.0 GALS @ 6.8 LBS.) 571.00 129.80 74115.80

**MOST FORWARD C.G. 4026.00 121.27 488217.85**

* **DENOTES SITUATIONS THAT CAN POSSIBLY OVERGROSS AIRCRAFT. IT IS THE OWNER / OPERATORS RESPONSIBILITY TO ENSURE SAFE LOADING AND PROPER CENTER OF GRAVITY RANGE AT ALL TIMES DURING OPERATIONS.**

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**G. Paul Selby Jr.**

**A&P 3449458**

**01/30/2020**