

NATIONAL TRANSPORTATION SAFETY BOARD  
**Investigative Hearing**

Alaska Airlines Flight 1282

Boeing 737-9, N704AL

Left Mid Exit Door Plug Separation in Portland, OR

January 5, 2024

|            |        |
|------------|--------|
| Docket No. | SA-543 |
| EXHIBIT    |        |
| 2K         |        |

**Operational Factors Group  
Chairman's Factual Report -  
Attachment 10 - Weight and Balance**  
(4 Pages)

DCA24MA063

## **OPERATIONAL FACTORS**

Attachment 10  
Weight and Balance  
April 17, 2024

01/06/2024  
00:36z



STATION: PDX  
FORM: O-92A REV: 1

### Weight and Balance

FLIGHT: 1282 DATE: 01/05/2024 ETA: -  
STATION: PDX AIRCRAFT: 704 ETD: 16:40sl

| PLAN              |               |
|-------------------|---------------|
| ADJ OEW:          | 107403        |
| EXTRA CREW:       | 0.0           |
| A: 16 / 0         | 3287.0        |
| B: 20 / 4         | 4478.5        |
| C: 37 / 5         | 8063.4        |
| D: 42 / 6         | 9183.0        |
| E: 40 / 8         | 8957.0        |
| TOTAL:            | 33969.0       |
| TOTAL CARGO:      | 3778          |
| ZERO FUEL WEIGHT: | 145150.0      |
| TAKE OFF FUEL:    | 20100.0       |
| TAXI FUEL:        | 400           |
| TAKE OFF WEIGHT:  | 165250        |
| ALLOWABLE TOW:    | 167000        |
| CARGO WEIGHT      |               |
| PIT 1             | 100           |
| PIT 2             | 64            |
| PIT 3             | 1920          |
| PIT 4             | 1694          |
| PIT 5             | 0             |
| PIT 6             | 0             |
| TOTAL             | 3778          |
| ZFW CG:           | 21.59         |
| ZFW CG LIMITS:    | 13.36 / 28.54 |
| TOW CG:           | 23.12         |
| TOW CG LIMITS:    | 17.20 / 28.22 |
| OPS AGENT:        |               |
| TIME:             | 00:41:55z     |

| ACTUAL            |               |
|-------------------|---------------|
| ADJ OEW:          | 107403        |
| EXTRA CREW:       | 0.0           |
| A: 16 / 0         | 3288.4        |
| B: 22 / 2         | 4706.6        |
| C: 32 / 5         | 7039.4        |
| D: 39 / 8         | 8755.6        |
| E: 37 / 7         | 8252.0        |
| TOTAL:            | 32042.0       |
| TOTAL CARGO:      | 3487          |
| ZERO FUEL WEIGHT: | 142932.0      |
| TAKE OFF FUEL:    | 20400.0       |
| TAXI FUEL:        | 400           |
| TAKE OFF WEIGHT:  | 163332        |
| ALLOWABLE TOW:    | 167000        |
| CARGO WEIGHT      |               |
| PIT 1             | 115           |
| PIT 2             | 160           |
| PIT 3             | 1920          |
| PIT 4             | 1292          |
| PIT 5             | 0             |
| PIT 6             | 0             |
| TOTAL             | 3487          |
| ZFW CG:           | 19.81         |
| ZFW CG LIMITS:    | 12.84 / 28.19 |
| TOW CG:           | 21.52         |
| TOW CG LIMITS:    | 16.97 / 28.79 |
| OPS AGENT:        |               |
| TIME:             | 00:34:56z     |

#### AGENT REMARKS

GENERAL REMARKS: B60 PIT 3, REST PIT 4|WCH PIT 1|  
LS REMARKS: |WCH PIT 1|

01/06/2024  
00:36z



STATION: PDX  
FORM: LCR-A REV: 1

Load Closeout

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**FINAL NUMBERS FOR FLIGHT CREW**

| FLIGHT 1282 INFORMATION |          |
|-------------------------|----------|
| ZFW:                    | 142.9    |
| ZFW CG:                 | 19.8     |
| FOB:                    | 20.8     |
| TOW:                    | 163.3    |
| TOW CG:                 | 21.5     |
| RC NUMBER/REVISION:     | 001669/0 |
| LOAD CLOSEOUT REVISION: | 0        |
| AGENT NAME:             |          |

| PASSENGER COUNTS |     |     |     |
|------------------|-----|-----|-----|
| F                | Y   | JSC | JSF |
| 16               | 152 | 0   | 0   |

| AGENT REMARKS   |                                 |
|-----------------|---------------------------------|
| GENERAL REMARKS | B60 PIT 3, REST PIT 4 WCH PIT 1 |
| LS REMARKS      | WCH PIT 1                       |

01/05/2024  
23:37z



STATION: PDX  
REV: 0

## FUEL SLIP

FLIGHT 1282  
DATE 01/05/2024  
A/C N704AL  
GATE C7 / C7  
ETA/ETD 14:35sl / 16:40sl  
RMP 20500  
FINAL: 20500

### Tank Distribution

#### Planned

| Left-T1 | Center-CTR | Right-T2 |    |
|---------|------------|----------|----|
| 8,500   | 3,500      | 8,500    | Lb |

#### Actual

|                | Left-T1 | Center-CTR | Right-T2 |    |
|----------------|---------|------------|----------|----|
| Starting value |         |            |          | Lb |
| Ending value   |         |            |          | Lb |

Total Gallons Added via Meter

Contact: [REDACTED] Phone Number: [REDACTED] SIGNATURE: \_\_\_\_\_

AGENT REMARKS

SYSTEM REMARKS