

Eastern Aviation Fuels, Inc.

Incident / Accident Report

Nature of Accident / Aircraft – Incident Information					
Account Name: <i>Business Aircraft Center</i>		Incident Type (Crash or *Spill): <i>Crash</i>		Date of Incident: <i>10/13/2018</i>	
Aircraft Type: <i>Piper Seneca</i>		Number of Injuries:		Number of Fatalities: <i>3</i>	
Gallons Fueled: <i>39.7</i>		Fueling Date: <i>10/13/18</i>		Dispensed from: <i>Refueler</i>	
Product Type: <i>100 LL</i>		Date of last load: <i>9/25/18</i>		API at Receipt (Observed): (API/Temp and corrected)	
API Gravity and Sump Results after incident (self-serve/storage tank/truck)					
Self-Serve: Observed (API / Temp) <i>N/A</i>	Corrected <i>N/A</i>	Storage Tank: Observed (API / Temp) <i>72.0/58°</i>	Corrected <i>72.3</i>	Truck: Observed (API / Temp) <i>72.0/58°</i>	Corrected <i>72.3</i>
Sump Self-Serve: Tank <i>N/A</i>	Filter Sump <i>N/A</i>	Storage Tank Sump: <i>1A</i>	Filter Sump: <i>1A</i>	Truck Tank Sump <i>1A</i>	Filter <i>1A</i>
Aircraft Fueled before Incident / after incident / Total number Fuels from Last Load received					
No. of A/C fueled Prior: <i>95</i>		No. of A/C After: <i>17</i>		Total # A/C Fueled from last load: <i>112</i>	
Results Brown Paper Bag: <i>Clear - NO residue</i>		Equipment in Quarantine Status (Type): <i>Refueler</i>			
Retain Sample Taken Date: <i>10/13/18</i>		Maintained On Site / Shipped to Lab: <i>ON SITE</i>			
Description of Incident-Accident:		Millipore pre & Post Results (JETA ONLY):			
<p><i>Piper Seneca broke up in Flight and fell into the ocean off Long Island, New York. Aircraft was fueled 0927, departed approximately 50 minutes later. Forty five minutes later aircraft broke up and fell into ocean. Aircraft had climbed to nearly 19,000 ft (Radar Indicated) before the crash.</i></p>					
Fueling Equipment					
Type: <i>Refueler Truck</i>	Capacity: <i>1000</i>		Elements last installed: <i>6/22/18</i>		
Date hose last checked: <i>Replaced New 9/11/18</i>	Filter Vessel Last sumped & results: <i>10/14/18 1A</i>		Tank last topped off date: <i>10/10/18</i>		
Quantity and Grade loaded: <i>550 AV</i>	Settling time after loading: <i>UNKNOWN</i>		Results, water checks after loading: <i>1A</i>		
Name of operator who loaded vehicle / or self-serve (if applicable): <i>Jared Wallace</i>					
Equipment last checked for water prior to incident, date, time, method, results (Tank – Filter): <i>10/13/18 1A Visual</i>					
Name of operator who performed water checks prior to incident: <i>Vinny Robaucher</i>					
Results and date of last Millipore test (JetA product ONLY): <i>N/A</i>					

*If Spill please indicate number of gallons of spillage here: *N/A*

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Receipts into Storage Tank Used (last 3)			
Information Needed	Load 1	Load 2	Load 3
Date Received	7/13/18	8/17/18	9/25/18
Supplying Terminal	1 PT	Transflow	Transflow
Transport Company /Trailer Number	Patriot 2052	Patriot 2052	Patriot 2036
Grade Received	Av Gas 100LL	Av Gas 100LL	Av Gas 100LL
Number of Gallons Received	7500	8402	8031
Batch Clearance Cert, Release Cert, and or Bill of Lading Number	702201 313945	368547 108808	702369 cert. 109515 BL
Seals – State whether intact and quote no. (If Fit)			
Fuel Color (sump sample from Transport)	Blue 1A	Blue 1A	Blue 1A
Tank compartment water checks-attach a copy of the aviation fuel receipt record			
Main Batch			
Test Report Number			
Time Load Introduced into Storage	1015	1150	1215
Fuel Receipt Checks performed by (Name)	Alves	Alves	D'Amico
Retention Samples Drawn in Approved Epoxy Container (1 Gallon JetA / 5 Gallon Avgas)			
Storage Tank: <input checked="" type="checkbox"/> Yes / No	Truck: <input checked="" type="checkbox"/> Yes / No	Cabinet / Self – Serve: Yes / No	
Name of operator who drew samples: Vinny Robaucher			
Reporting Official's Information for Incident			
Report completed by (Name): Scott Rousseau		Job Title: Manager	
Contact Telephone: [REDACTED]	FAX: —	Email: [REDACTED]	
Date Report Completed and Faxed: 10/15/18			
Signature of Reporter: [REDACTED]			

Eastern Aviation Fuels, Inc.**Shell Aviation**SERIAL # 702369**RELEASE CERTIFICATE**

TO BE COMPLETED BY THE SUPPLYING REFINERY, TERMINAL OR CARRIER

TERMINAL NAME: <u>TransFlo, Albany, NY</u>	DATE: <u>9/25/18</u>
DISPATCHED CARRIER: <u>Patriot Tank Lines</u>	ORDER QUANTITY: <u>8000</u>
PRODUCT TYPE (CIRCLE) JET A JET A W/ADDITIVE <u>AVGAS</u>	BATCH NUMBER: <u>18-AV-L-100LL-17-8</u>
TRAILER NUMBER: <u>2036</u>	TERMINAL TANK #: <u>UTLX 213651</u>
BATCH API GRAVITY @ 60 DEGREES F: _____	BOL # <u>109515</u>

TO BE COMPLETED BY THE CARRIER

PRELOADING: IS TRAILER DEDICATED TO	<input type="checkbox"/> JET FUEL	IF STEAM CLEANED AND
	<input checked="" type="checkbox"/> AVGAS	AND DRIED:
	<input type="checkbox"/> MULTIPLE PRODUCTS	CERT. # <u>N/A</u>


B.O.L. PRODUCT VERIFICATION

POSTLOADING (JET FUEL)		POSTLOADING (AVGAS)	
PRODUCT ORDERED -----	<input type="checkbox"/> JET A <input type="checkbox"/> JET A W/ ADDITIVE	PRODUCT ORDERED --	<input checked="" type="checkbox"/> AVGAS
PRODUCT LOADED -----	<input type="checkbox"/> JET A <input type="checkbox"/> JET A W/ ADDITIVE	PRODUCT LOADED ----	<input checked="" type="checkbox"/> AVGAS
CLEAR AND BRIGHT -----	<input type="checkbox"/> YES	CLEAR AND BRIGHT ---	<input checked="" type="checkbox"/> YES
IF NOT, EXPLAIN: _____		IF NOT, EXPLAIN: _____	
COLOR -----	<input type="checkbox"/> WATER WHITE <input type="checkbox"/> AMBER/STRAW	COLOR -----	<input checked="" type="checkbox"/> BLUE
	<input type="checkbox"/> OTHER _____		<input type="checkbox"/> OTHER _____

FOR JET FUEL ONLY

ADDITIVE	TYPE	RANGE	OBSERVATION RATE:	MEASURED
FUEL SYSTEM ICING INHIBITOR (FSII) (MIL-DTL 85470)	DIEGME	0.10 - 0.15 VOLUME %	END: _____ START: _____ ADDED: _____	ASTM 5006
10 GALLONS OF FSII PER 8000 GALLON LOAD				

FOR JET FUEL AND AVGAS

I CERTIFY THAT:	(A) IMMEDIATELY PRIOR TO SAMPLING, THE DELIVERY VEHICLE WAS NOT MOVED FOR A 10 MINUTE SETTLING AND RELAXATION PERIOD.
	(B) I HAVE PERFORMED A "CLEAR AND BRIGHT" VISUAL INSPECTION ON A SAMPLE OF THE PRODUCT TAKEN FROM THE UNLOADING LINE SERVING EACH COMPARTMENT OF THE DELIVERY VEHICLE AND DECLARE ALL RESULTS SATISFACTORY.
	(C) I HAVE VERIFIED THAT THE INVOICED PRODUCT IS THE SAME AS ORDERED AND LOADED AND IS BEING UNLOADED INTO THE PROPER STORAGE FACILITIES.
CUSTOMER REP: X	DELIVERY DRIVER: X <u>Clinton Schulz</u> 
AFTER DELIVERY DESTINATION SECTION IS COMPLETED RETURN TO: ORIGINAL - EASTERN AVIATION, PINK - LOADING TERMINAL CANARY - DESTINATION CUSTOMER, GOLD - CARRIER	

TO BE COMPLETED BY THE RECEIVER AT DISCHARGE

QUANTITY RECEIVED:	GROSS <u>8000</u>	CUSTOMER: <u>Business Air Craft Center</u>
	NET <u>8031</u>	LOCATION: <u>Danbury, CT</u>
CUSTOMER TANK #:		CUSTOMER REP:
DISCHARGE DATE:	<u>9/25/18</u>	CUSTOMER REP SIGNATURE:
TIME:		X

2 **Patriot** Patriot Tanklines
PO Box 1226
Weedsport, NY 13166

Driver: Schulz, Clinton tractor/trailer: 23070/2036
Deliv for: Tuesday, September 25, 2018 Shift: AL-AM

1 Manifest#: 130966



3 NYS Importer #: 470935613

Load #: **1b**

NYS TRANSPORTER NO 470935613, ICC MC 477335, USDOT 1196834

DELIVERY POINT	
Business Aircraft Center	
81 Kenosia Ave Danbury Ct 06810	
Danbury	CT
Dealer ID: 555	Phone: [REDACTED]
DISTRIBUTOR / BILL TO	
Eastern Aviation Fuels	
ID: 561101119	
Delivery Slot: not applicable	

One Cargo Tank Ord #: 582042 Loading #: 470787

10 Terminal	Product	14 Loading Information	Ordered	15 Loaded	19 Delivered	Loading BOL
TRANSFLOW	SHELL	NY Distribtr #:			109515	
1 UN1203, Gasoline, 3, PG II, Marine Pollutant (Leaded) (RQ)		8,000	Gross	NET		
			8005	8031		

Prod:	2500	2100	2100	2500
Loaded:	—	AUGAS	100 LL	—
	2500	2000	1000	2500

AFC#: Y03513 Capacity: 9,200

Delivered by:	[REDACTED]
Received by:	[REDACTED]

Enter the number of gallons to be carried over from or to other delivery location .

Please circle one: RETAINED or CARRIED OVER

References numbers are for NYS form FT-960

Manifest # Product: Gallons: delivery location
Manifest # Product: Gallons: delivery location:

11	13	17	Date:	Time In:	Time Out:	Reason for Delay and other delivery notes:
Loading	9/25/18	10:00	12:15	Waiting on loader operator		
Unloading	9/25/18					

SUBJECT TO RULES AND REGULATIONS AS SET FORTH IN TARIFF AND CONTRACT GOVERNING THIS SHIPMENT. THIS BILL OF LADING HAS BEEN APPROVED BY NEW YORK STATE DEPARTMENT OF TAXATION AND FINANCE, AS A UNIFORM MANIFEST (FT-960/970). SUITABLE FOR ALL MOVEMENTS OF MOTOR FUELS AND DIESEL MOTOR FUELS. FT-960/FT-970 ITEM NUMBERS ARE BLOCKED.

FOR 24 HOUR EMERGENCY INFORMATION CALL CHEMTREC: [REDACTED]

Certificate of Analysis: 100 Low-Lead Aviation Gasoline

Sample Date & Time: 8/3/18 08:25
FHR Approval By: mo

Tank 17

Product Property	Test Method	RESULT	Minimum Specification	Maximum Specification	Status
ANTI-KNOCK QUALITY SPECS					
Motor Octane Number	ASTM D2700	102.8	99.6		
Supercharge Rating Performance Number	ASTM D909	131.2	130.0		
VOLATILITY SPECS					
Reid Vapor Pressure (Top), psi	ASTM D5191 or D5190	6.57	5.51	7.10	
Reid Vapor Pressure (Middle), psi	ASTM D5191 or D5190	6.63	5.51	7.10	
Reid Vapor Pressure (Outlet), psi	ASTM D5191 or D5190	6.65	5.51	7.10	
DISTILLATION SPECS					
10% Evap, °F	ASTM D86	160			167
40% Evap, °F	ASTM D86	208	167		
50% Evap, °F	ASTM D86	213			221
90% Evap, °F	ASTM D86	230			275
End Point, °F	ASTM D86	266			338
Sum of 10% Evap + 50% Evap, °F	ASTM D86	374	275		
Recovery, Vol. %	ASTM D86	99.0	97		
Residue, Vol. %	ASTM D86	1.0			1.5
Loss, Vol. %	ASTM D86	1.0			1.5
COMBUSTION PROPERTIES SPECS					
Net Heat of Combustion, BTU/lb	ASTM D3338	19108	18720		
FLUIDITY SPECS					
Freezing Point, °F	ASTM D5972 or D2386	-124			-72
GRAVITY & MIXING SPECS					
Gravity Average, °API	ASTM D1298 or D4052	72.2	Report		
COMPOSITION SPECS					
Sulfur, Total, wt%	ASTM D2622	0.001			0.05
Tetraethyl lead, mL TEL/gal	ASTM D3341 or D5059	1.5	1.0		2.0
CORROSION AND STABILITY SPECS					
Corrosion, Copper 2 hours @ 212°F	ASTM D130	*1A			1
Oxidation Stability (5 hr aging) Potential Gum, mg/100mL	ASTM D873	0.3			6
Oxidation Stability (5 hr aging) Lead Precipitate, mg/100mL	ASTM D873	0.0			3
COLOR AND CONTAMINANTS SPECS					
Appearance	ASTM D4176	Clear	Clear		
Water Tolerance (change, ml vol)	ASTM D1094	0.0			± 2
Separation	ASTM D1094	1 No Precipitate or Emulsion	Report		
Interface Rating	ASTM D1094	1 Clean & Clear			1B
Color (visual)	Visual	Blue			

SHELL OIL PRODUCTS US		TRANSFLO Bill of Lading	
Origin:	TRANSFLO AT ALBANY, NY 12205	Delivery Date	09/25/2018 03:00 pm
Carrier:	PATRIOT TANK LINE INC	Loaded Date	09/25/2018 10:02 am
Trailer:	2036	Shipper#	582042
Seals:	742297-98, - 742299-300	Consignee	502847-449272-CT
Certificate of Analysis		PO#	
Required :YES		Audit #	109515
Shipper: SHELL OIL PRODUCTS US PO BOX 4913 HOUSTON, TX 77210		Consignee: EASTERN AVIATION FUELS 601 MCCARTHY BLVD NEW BERN, NC 28562	
Commodity Shipping Description 1 Cargo Tank, UN1203, Gasoline, 3, PG II, 100 Low lead Aviation Gasoline, Emergency Response Guide No.128			
Brand Name:		EQUILON AVGAS - AVGAS	
Grade:			
RailCar /Lot	UTLX213651 LL-17-8		Total
Gross: LBS	77,700		77,700
Tare: LBS	31,380		31,380
Net: LBS/TONS	46,320/23.16		46,320/23.16
Net: KILO	21,010		21,010
Net: GALS	8,031		8,031
Special Instructions: Danbury, CT			
Emergency Contact - For help in chemical emergencies involving spill, leak, fire, or exposure, contact: <div style="background-color: black; width: 100px; height: 15px; margin-top: 5px;"></div>			
Note-Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property as follows: "The agreed or declared value of the property is specifically stated by the shipper to be not exceeding \$ _____ per _____" NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. §14706(c)(1) (A)and(B).		Freight charges are PREPAID Unless marked collect. CHECK BOX IF COLLECT <input type="checkbox"/> FOR FREIGHT COLLECT SHIPMENTS: If this shipment is to be delivered to the consignee, without recourse on the consignor, the consignor shall sign the following statement: The carrier may decline to make delivery of this shipment without payment of freight and all other lawful charges. _____ (Signature of Consignor)	
Received, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request.			
This is to certify that the above named materials are properly classified, described, packaged, marked, labeled, and are in proper condition for transportation according to the applicable regulations of the DOT.		Drivers Signature hereon indicates: 1. Emergency response information in accordance with 49 CFR Part 172, Subpart G is present aboard the vehicle. 2. The required placards are in place. 3. Driver has performed a pre-trip safety inspection to ensure that all openings of the trailer/container are closed, secured, and leak-free, and that the trailer/container is safe for transport on public highways. 4. Certificate of Analysis received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Shipper, Per: _____ Date: 9/25/18 Consignee: _____		Carrier, Per: _____ Date: 9/25/18	