



NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Washington, D.C. 20594

March 17, 2016

Attachment 13 – MGY Fueling Records

OPERATIONAL FACTORS

CEN16MA036



AVFUEL LOCATION
Aviation Sales, Inc - MGY
KMSY

11/10/2015

11.48 17

Sale

Receipt No.: 12384
Batch No.: 1528
Terminal ID: 10290018699
Merchant No.: 2896
Entered By: Tom Card

Customer Name:
Card Type: American Express
Card No.: *****1372 Semped
Exp Date: 08/20
Auth No.: 682864
Tail No.: N237WR
Destination:
License/Reg No.:
Delivered On: 11/10/2015

Jet A Fuel
410 US Gallon @ [redacted] GAL
Sales Tax
@ 7.25%

TOTAL (USD)

Customer Signature

By signing this receipt, I agree I have received and will pay for the above goods and/or services rendered. Card payments are governed by card issuer agreement

THANK YOU FOR CHOOSING AVIATION SALES INC.
Find Avfuel Worldwide at

332531

N-237WR
410 GAL
11-10-15
Fueled
11:45 AM

ASI TRUCK SHEET

	FRONT METER	REAR METER
TRUCK <i>Jet-A</i>	IN <i>1120750</i>	IN <i>507045.7</i>
DATE <i>11/10/15</i>	OUT <i>112116.3</i>	OUT <i>507506.4</i>

TIME	A/C#	MAKE	GALLONS	OIL	GRADE	BY	METER OUT	SO#
8:41	292TG	King Air 350	141	-	A	ML AH	F R 507186.0	332528
* 1145	237WR	Hawker	214.0 196.0	-	A	MC AH	F 1120964 R 507384.5	332531
1204	Jet-A	Truck	Top off	-	A	MC	F R AS /	X
1220	53KM	C-25B	125.0 125.0	-	A	MC	F 1121084 R 507506.4	332534
1530	760C	B206L	74	-	A	TD	F R 112116.3	332535
							F R SP 460.7	
							F OJ 413.0	
			875.0				R Total 873.9	
D: #	413						F R F R 875.0	
							R AV 0	
							F Corr 0	
							R G 0	
							F S 0	
							R Cond 0	
							F OK 0	
							R AS 0	
							F R Total 875.0	
							F R F R F R	

DAILY SUMP _____

LIMA REFINING COMPANY

JET A FUEL ANALYSIS

10/26/2015

CERTIFICATE OF ANALYSIS: 15-069

The following are all Jet "A" quality tests performed on the product in Tank 325

Testing was performed on 10/26/15

The batch number is: HUS-JETA-916

The sales tank was filled from 37 Tank

TEST	TANK 325	SPECIFICATION	ASTM METHOD
DATE/TIME	10/27/2015		Fuel complies with
SAMPLED	1630 hrs		ASTM D-1655
Gravity	42.4	37-51 API	D-4052
Distillation			
IBP	326.0		
10%	390.8	400 F Max	D-86
50%	433.8	Report	D-86
90%	485.5	Report	D-86
End Point	516.7	572 F Max	D-86
Residue	1.2	1.5 Max	D-86
Loss	0.2	1.5 Max	D-86
Flash Point °F	132	100 Min	D-56
Color, Saybolt	>30	Report	D-156
Aromatics	17.5	22 Max	D-1319
Total Acidity, mg KOH/gm	0.0020	0.1 Max	D-3242
Sulfur, Total wt %	0.0004	0.3 Max	D-2622
Freeze Point, °F	-41.9	-40 Max	D-2386
Water Tol Interface	1	1B Max	D-1094
Water Tol Separation	1	2 Max	D-1094
WSIM	95	75 Min	D-3948
Corrosion, 2hrs @ 212 F	1B	1 Max	D-130
Millipore Color	N/A	Report	D-2276
Particulates, mg/L	0.26	1.0 Max	D-2276
Gum, ASTM, mg/100 ml	2.6	7 Max	D-381
JFTOT @ 275 C, Pressure Drop	0	25 Max	D-3241
JFTOT @ 275 C, Tube Deposit	0	3 Max	D-3241
Napthalenes, vol %	0.3200	3 Max	D-1840
Smoke Point, mm	23.5	25 Min	D-1322
Net Heat of Combustion, MJ/kg	43.23	42.8 Min	D-3338
Mercaptan in Distillate, wt %	0.0001	0.003 Max	D-3227
Viscosity @ -4°F, centistokes	7.31	8 Max	D-445
Antioxidant, Nalco EC 5208A, mg/L	0.00	24 Max	

Comments:

Antistatic to be added at terminals for 50-300 picosiemen

Certified that this sample meets the relevant specification with respect to the above tests and complies with ASTM D 1655 for Jet A aviation turbine engine fuel. Additives present in this production batch listed above.


Dean Alcorn
Laboratory Supervisor



RELEASE CERTIFICATE

RELEASE #: 636807

Section 1. TO BE COMPLETED BY THE SUPPLYING REFINERY, TERMINAL, OR CARRIER

Terminal Name: <u>Sunoco Dayton</u>	Dispatched Carrier: <u>Trenmark</u>
Product Grade: Avgas <input checked="" type="radio"/> Jet <input type="radio"/> Jet w/FSII <input type="radio"/> JP-8	Carrier Phone #: <u>812-663-9400</u>
Supplier Tank #: <u>325</u>	Bill of Lading #: <u>279901</u>
Batch #: <u>655-100A-9/16</u>	Transport Trailer #: <u>8207</u>
BOL API Gravity @ 60°F: <u>42.4</u>	Order Quantity (US Gal): <u>8000</u>
Load Date: <u>11-4-15</u>	Load Time: <u>1:00</u>

Section 2. TO BE COMPLETED BY THE CARRIER (As recommended in Avfuel Loading Guidelines)

PRE LOADING	POST LOADING
A) Trailer is dedicated to (Circle One) <input checked="" type="radio"/> Jet / Avgas / Multiple Products	E) BOL Product Verification Product Ordered: <u>Jet A</u> Product Loaded: <u>Jet A</u>
B) Steam cleaned and dried? Yes / No	F) Anti-icing Additive Injected (US Gal): <u>0</u> (~10 Gal per 8000 Gal Jet Fuel)
C) Cleaning certificate #: _____	Rack Injected While Loading Yes <input checked="" type="radio"/> No
D) Prior to loading at the terminal, I personally drained all associated transfer lines and found that they were dry and free of visual contaminants.	Trailer Injected While Loading Yes / <input checked="" type="radio"/> No
I certify that the above information is correct and that after loading the truck was not moved for 5 minutes to allow settling and relaxation with the belly valve open.	G) Product clear and bright? <input checked="" type="radio"/> Yes / No
	Driver Name (Print): <u>Joseph L. Hicks</u> Driver Signature: _____

Section 3. TO BE COMPLETED PRIOR TO UNLOADING FOR JET AND AVGAS

By signing below I certify that:

A) Immediately prior to sampling, the delivery vehicle was not moved for a 10 minute settling and relaxation period with bottom valves open.

B) I have performed a complete visual inspection of all the delivery vehicle compartments and have performed a minimum of a white bucket or a "clear and bright" visual inspection on a sample of product taken from each compartment of the delivery vehicle and declare all results satisfactory.

C) I have verified that the invoiced (BOL) product is the same as ordered and loaded and is being unloaded into proper storage tank, while being on site at all times.

Note: Customer is solely responsible for any injury or damages suffered while visually inspecting the top of the delivery vehicle and waives all claims against Avfuel, the carrier or the driver for such injury or damages.

Observed API Gravity: 42.3 Observed Temp°F: 60 API Gravity @ 60°F: 42.3
 API Gravity @ 60°F 42.3 - BOL API Gravity @ 60°F 42.4 = Difference of .1

Customer Tank # (s): 1 Location: 251 N. Main St Arrival Time: 2:00

Demurrage Time (hrs): 2.0 Reason: _____
(Applies before or after unloading)

Delivery Driver Signature: _____ Date: 11-4-15
Signature Print Name

Customer Rep Signature: _____ Date: 11-4-15
Signature Print Name

Section 4. TO BE COMPLETED BY THE RECEIVING FUEL FARM AFTER UNLOADING

Quantity Received: Gross: 7800 Net: 7800 Time: 2:30

Customer Rep Signature: _____ Date: 11-4-15
Signature Print Name



Sunoco Logistics

SKL DAYTON - 72301
1708 Farr Drive DAYTON OH 45404
TCN: T310H3117
EPA FN:

For Product Emergency - Spill, Leak,
Fire or Exposure, Call CHEMTREC
800-421-2500 day or Night

DATE: 11/04/2015
BOL #: 0000274901

See Reverse Side for Hazard Warnings, Initial Emergency Response Guide, and Other Information

Bill To: 0000000046 Jet Accounts	Ship To: 0208349170 AVFUEL CORPORATION FOB DAYTON RACK - OH DEST VARIOUS OH 00000	Supplier: 0000000051 PBF Holding Company, LLC 1 SYLVAN WAY, 2ND FLOOR PARSIPPANY NJ 07054
Freight Terms: COLLECT	P.O.# 6136807 Order # 0000000000	Terminal #: 0072301 Folio #: 11/004

PRODUCT	MATERIALS DESCRIPTION	API	UOM	GROSS	TEMP	GRAV	NET
023101	UN1863, Fuel Aviation, Turbine Engine 3, PG III, ERG#128, 1 T/T JET A TURBINE FUEL		G	7800	60.1	42.4	7800

This product has been certified to meet all ASTM D 1655 specification requirements. . . Batch# HUS-JETA-916

ASI - Mansboro

[Signature]

TANK(s): 0037, 0042
METER(s):

Carrier: KLLV ELVIN L. KNOLLMAN, INC. (DBA TRANSMARK)
1780 S. County Rd. 850 E
Greensburg
IN 47240
8776639404

Tractor #: Trailer #: 0008207

Seal(s):

Load Start: 11/04/15 13:03 Stop: 11/04/15 13:19

Vehicle Insurance Expires: 10/01/16

Vapor Tightness Test Due: 08/28/16

Liability Insurance Expires: 10/01/16

Workers Comp. Expires: 05/01/16

Carrier has loaded and accepted the above-named materials and certifies that the container supplied for this shipment is a proper container for the transportation of this Commodity under DOT regulations and driver acknowledges Emergency Response Guide Information received on reverse side of this document. We the undersigned Company, are in compliance with the requirements in 49CFR172, and Specifically the new requirements outlined in the Federal Register, Vol. 68 No. 57 dated Tuesday, March 25, 2003 regarding security and related employee training. We further Understand that compliance with the Department of Transportation security regulations is mandatory for continued access to Sunoco Partners Marketing and Terminals L.P. properties

This is to certify that the here-in named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the department of transportation.

Signature: *[Signature]* Date: 11/04/15
Driver: JOSEPH HICKS
Driver #: 00015412

Date 11-4-15
 Unit No. Tractor 30254561
 Unit No. Trailer 4207



Elvin L. Knollman, Inc.
 1780 S. Co. Rd. 850 E.
 Greensburg, IN 47240
 (877) 663-9404 (812) 663-9400 Fax (812) 663-9428

Ticket No. 6136807
 P. O. No. _____
 Bill Of Lading No. 27901

Shipper/Terminal <u>Sumco PBF</u>	Shipping Origin/Loading Point <u>Dayton OH</u>	Customer Tank In Inches
Customer <u>Sumco</u>	Location/City & State <u>Ann Arbor MI</u>	
Direct Ship Name <u>Aviation Sales</u>	Location/City & State <u>Miamisburg OH</u>	

HAZARDOUS MATERIAL	MATERIAL	ADDITIONAL DESCRIPTION	COMPT. NO.	GALS.	LBS./ TONS	RATE	CHARGES
<u>1863</u>	<u>Jet A</u>	<u>See Aviation Fuel engine</u>	<u>1</u>	<u>780</u>	<u>0250</u>		

Loading In _____ - M	Time Free Per Tariff _____ Hrs.	Chargeable Time _____ Hrs.
Time Out _____ - M		
Reason For Delay _____		
_____ _____ _____		
X Shipper Signature for Delay Loading		

Received the above described property in good condition except as noted.
 Customer/Receiver _____
 By: _____
 Show complete company name and signature --Initials not accepted.

WEIGHT GAL/LBS.	WEIGHING CHARGES
GROSS <u>7800</u>	PUMP
TARE	HOSE
NET <u>7800</u>	TOTAL CHARGES

Unloading In _____ - M	Time Free Per Tariff _____ Hrs.	Chargeable Time _____ Hrs.
Time Out _____ - M		
Reason For Delay _____		
_____ _____ _____		
X Shipper Signature for Delay Unloading		

Carrier certifies that the cargo tank supplied for their shipment is a proper container for the transportation of this commodity as described by the shipper and that this shipment received subject to tariffs, and or contracts in effect on the date of issuance thereof.
 Loading Driver _____
 Delivering Driver _____

(Circle Which One)
 Was Carrier's Pump Used Yes NO
 This is to certify that the above articles are properly described by name and are packed and marked and are in proper condition for transportation according to the regulations prescribed by the FMCSA
 Shipper _____
 Consignor _____
 Loader _____

Transmark Logistics, LLC
 1780 S County Road 850 E
 Greensburg, IN 47240

812.665.5488

Invoice Date	Invoice #
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11/12/15	11188
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AV Fuel
 ATTN: Freight
 47 W Ellsworth Road
 Ann Arbor, MI 48108

Terms	Due Date	Carrier
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Net 15	11/27/15	08
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Payload	Rate	Amount
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Date	Trip #	Item	Load Information	Payload	Rate	Amount
11/4/15	274901	JetA	From Sunoco; Dayton, OH to Aviation Sales; Miamisburg, OH	7,800.00		
		Fuel Surcharge		195.00		
			O/O			

Thank you for your business - we appreciate the opportunity to serve you.

Invoice Total XXXXXXXXXX