Signature FLIGHT SUPPORT
BBA Aviation

[redacted]

November 4, 2014

Mr. Joe Gonsalves
Supervisor, G/A Airworthiness
Wichita Flight Standards District Office
Federal Aviation Authority
Email: [redacted]

Re: Signature Flight Support Corporation
Fuel Records

Dear Mr. Gonsalves:

Pursuant to your email dated November 2, 2014, enclosed please find the Report of Analysis from Intertek regarding the samples taken from Signature Flight Support Corporation.

Should you have any questions or need additional information, please contact me.

Sincerely,

[redacted]

Patrick K. Rinka
Senior Legal Counsel

PKR/md

Enclosure

Cc: Bryan Orr, Area General Manager

Report of Analysis

Client:INTERTEK -Cushing
Job Location:
Vessel/Tank:Wichita, Ks
Lab Reference Number:2014-CHGO-004904
Batch No.:
Sample Designated As:Jet Fuel
Representing:2114-CUSH-001234-001; Hose – Filter Vessel F4 Downstream

Date Taken: 31-Oct-2014
Date Submitted: 31-Oct-2014
Date Tested: 01-Nov-2014
Drawn By: Intertek
Client Reference Number:

PROPERTY	Method	Spec Limits	Results	Units	Spec Results
Appearance					
Appearance	ASTM D4176	Clear and free of undissolved water sediment and unsuspended matter	Pass		Pass
Saybolt Color	ASTM D6045		26		
Composition					
Acid Number	ASTM D3242	Max 0.10	0.003	mg KOH/g	Pass
Aromatics	ASTM D1319	Max 25	13.5	Vol %	Pass
Sulfur Content	ASTM D4294	Max 0.30	0.0276	Wt %	Pass
Mercaptan Sulfur	ASTM D3227	Max 0.003	0.0008	%(m/m)	Pass
Volatility					
Initial Boiling Point	ASTM D86		158.9	°C	
10% Recovery	ASTM D86	Max 205	179.0	°C	Pass
20% Recovery	ASTM D86		184.3	°C	
50% Recovery	ASTM D86		201.2	°C	
90% Recovery	ASTM D86		234.1	°C	
Final Boiling Point	ASTM D86	Max 300	254.6	°C	Pass
Residue	ASTM D86	Max 1.5	1.0	Vol %	Pass
Corrected Loss	ASTM D86	Max 1.5	0.1	Vol %	Pass
Corrected Recovery	ASTM D86		98.9	Vol %	
Corrected Total Recovery	ASTM D86		99.9	Vol %	
Corrected Flash Point	ASTM D56	Min 38	48.0	°C	Pass
API Gravity @ 60°F	ASTM D4052		45.0	°API	
Density @ 15°C	ASTM D4052	775 - 840	801.3	kg/m³	Pass
Fluidity					
Freezing Point	ASTM D5972	Max -40	-53.7	°C	Pass
Kinematic Viscosity @ -4 °F/ -20 °C	ASTM D445	Max 8.0	4.249	mm²/s	Pass
Combustion					
Net Heat of Combustion - Sulfur-Corrected	ASTM D3338/D3338M	Min 42.8	43.330	MJ/kg	Pass
Smoke Point (Manual Procedure)	ASTM D1322	Min 18	21.0	mm	Pass
Naphthalenes	ASTM D1840	Max 3.0	1.10	Vol %	Pass
Corrosion					
Copper Corrosion @ 100°C (212°F)/2 hr	ASTM D130	Max No. 1	1a		Pass
Stability					
Test Temperature of Fuel	ASTM D3241		260	°C	
Heater Tube Deposit Color	ASTM D3241	< 3	<2		Pass
Maximum Pressure Drop Across Filter	ASTM D3241	Max 25	<1	mm Hg	Pass
Spent Fuel Volume	ASTM D3241		425	ml	
Contaminants					
Existent Gum Content	ASTM D381	Max 7	< 1	mg/100ml	Pass
MSEP Rating, Test A	ASTM D3948	Min 85	100		Pass

The above referenced sample as tested meets the relevant specification with respect to the tests performed and complies with ASTM D1655 for Jet A.

[redacted]

Signed: _____ Date:11/3/2014 2:45 PM

Laura Oster, Analyst

[redacted]

Report of Analysis

Client:INTERTEK - Cushing
Job Location:
Vessel/Tank:Wichita, Ks
Lab Reference Number:2014-CHGO-004904
Batch No.:
Sample Designated As:Jet Fuel
Representing:2014-CUSH-001234-004; Fueling Truck #22 - Hose

Date Taken: 31-Oct-2014
Date Submitted: 31-Oct-2014
Date Tested: 01-Nov-2014
Drawn By: Intertek

Client Reference Number:

PROPERTY	Method	Spec Limits	Results	Units	Spec Results
Appearance					
Appearance	ASTM D4176	Clear and free of undissolved water sediment and unsuspended matter	Pass		Pass
Saybolt Color	ASTM D6045		26		
Composition					
Acid Number	ASTM D3242	Max 0.10	0.002	mg KOH/g	Pass
Aromatics	ASTM D1319	Max 25	13.4	Vol %	Pass
Sulfur Content	ASTM D4294	Max 0.30	0.0272	Wt %	Pass
Mercaptan Sulfur	ASTM D3227	Max 0.003	0.0008	%(m/m)	Pass
Volatility					
Initial Boiling Point	ASTM D86		160.1	°C	
10% Recovery	ASTM D86	Max 205	178.6	°C	Pass
20% Recovery	ASTM D86		184.6	°C	
50% Recovery	ASTM D86		201.6	°C	
90% Recovery	ASTM D86		235.1	°C	
Final Boiling Point	ASTM D86	Max 300	253.8	°C	Pass
Residue	ASTM D86	Max 1.5	1.0	Vol %	Pass
Corrected Loss	ASTM D86	Max 1.5	0.7	Vol %	Pass
Corrected Recovery	ASTM D86		98.3	Vol %	
Corrected Total Recovery	ASTM D86		99.3	Vol %	
Corrected Flash Point	ASTM D56	Min 38	47.0	°C	Pass
API Gravity @ 60°F	ASTM D4052		45.0	°API	
Density @ 15°C	ASTM D4052	775 - 840	801.4	kg/m³	Pass
Fluidity					
Freezing Point	ASTM D5972	Max -40	-54.1	°C	Pass
Kinematic Viscosity @ -4 °F/ -20 °C	ASTM D445	Max 8.0	4.242	mm²/s	Pass
Combustion					
Net Heat of Combustion - Sulfur-Corrected	ASTM D3338/D3338M	Min 42.8	43.332	MJ/kg	Pass
Smoke Point (Manual Procedure)	ASTM D1322	Min 18	19.0	mm	Pass
Naphthalenes	ASTM D1840	Max 3.0	1.05	Vol %	Pass
Corrosion					
Copper Corrosion @ 100°C (212°F)/2 hr	ASTM D130	Max No. 1	1a		Pass
Stability					
Test Temperature of Fuel	ASTM D3241		260	°C	
Heater Tube Deposit Color	ASTM D3241	< 3	<2		Pass
Maximum Pressure Drop Across Filter	ASTM D3241	Max 25	<1	mm Hg	Pass
Spent Fuel Volume	ASTM D3241		450	ml	
Contaminants					
Existent Gum Content	ASTM D381	Max 7	1	mg/100ml	Pass
MSEP Rating, Test A	ASTM D3948	Min 85	99		Pass

The above referenced sample as tested meets the relevant specification with respect to the tests performed and complies with ASTM D1655 for Jet A.

[redacted]

Signed: _____ Date: 11/3/2014 2:43 PM

Laura Oster, Analyst

[redacted]

Signature FLIGHT SUPPORT
BBA Aviation

[redacted]

October 31, 2014

Mr. Joe Gonsalves
Supervisor, G/A Airworthiness
Wichita Flight Standards District Office
Federal Aviation Authority
Email: [redacted]

Re: Signature Flight Support Corporation
Fuel Records

Dear Mr. Gonsalves:

Pursuant to your email dated October 30, 2014, enclosed please find the fuel ticket for N52SZ as well as the Aircraft Fueling Equipment Checks for the subject truck for the month of October 2014.

We are working to copy the video from each of our cameras that captured the subject aircraft. We will advise as soon as the copies are available.

Should you have any questions or need additional information, please contact me.

Sincerely,

[redacted]

Patrick K. Rinka
Senior Legal Counsel

PKR/md

Enclosure

Cc: Bryan Orr, Area General Manager

Signature
FLIGHT SUPPORT
BBA Aviation

Aircraft Service Record

4238708

Base LA

DATE: 10-30-14	TAIL #: 5252
CUSTOMER:	A/C TYPE: M4

JET A ☑	JET A w/ADDITIVE ☐	DIESEL ☐
AUTO ☐	OIL ☐ :	OTHER

Gold Cap ☐	Lav ☐	Water ☐	GPU ☐	Hangar ☐
Initials:	Initials:	Initials:	Initials:	Initials:

SPECIAL REQUESTS:

REQUESTED FUEL AMOUNT: Out Bonds

Meter Reading 2	Finish	Meter Reading 1
183152	110	F840511
1183095	Start	8840458

57 ←Total Gallons→ 53

Fueler's Initials:	Unit #:	On A/C Time:	Off A/C Time:
KJ/JE	22	0732	0740

DID YOU SECURE OIL/FUEL CAPS AND PANELS?

Received by (Customer) X

Form # ASR Jet - LOB 01 4/04

STAPLES PRINT SOLUTIONS

Signature000001

1A

2-131782

AIRCRAFT FUELING EQUIPMENT CHECKS

LOCATION:

EQUIPMENT ID# 22

MONTH: 10

YEAR: 2014

DAILY - USE APPLICABLE RATINGS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1. GENERAL CONDITION	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
UNIT CLEAR OF FOD & DEBRIS	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
LIGHTS/LENSES/HORN/BACKUP ALARM	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
BRAKES (HAND, FOOT & EMERGENCY)	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
ANTI SLIP (FOOT CONTROLS & DECK)	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
2. CONDITION OF TIRES AND TREAD	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
3. FUEL/AIR LEAKS	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
4. BRAKE (SAFETY) INTERLOCKS (ea. device)	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
5. INTERLOCK OVERRIDE CONTROL SEAL	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
6. HOSES, NOZZLES AND SWIVELS	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
7. STATIC REELS, CABLES AND CLAMPS	C	C	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
8. LIFT PLATFORMS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
9. FIRE EXTINGUISHERS	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
10. SURGE / WASTE TANKS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
11. AIR TANKS	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
12. TANKER TROUGHS	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
13. BATTERIES COVERED OR ENCLOSED	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
14. METER CALIBRATOR SEAL(S)	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
15. FSII RESERVOIR FULL / DRYER 25% BLUE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
16. DEADMAN CONTROLS	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
17. PORTABLE LADDERS SERVICEABLE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
18. CHOCKS & CONES	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
19. SPILL KIT STOCKED	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
20. OPERATIONAL CONTROLS LABELED	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
21. FILTER SUMPS - RECORD RATINGS	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A		
22. TANKER SUMPS - RECORD RATINGS	1A	1A	1A	1A	1A	1A	1D	1A	1A	1A	1A	1A	1A	1D	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1D	1D	1A	1A	1A		
23. FILTER DIFFERENTIAL PRESSURE = PSI	REFERENCE FUEL FILTER VESSEL RECORD FORM ASIG 7.2.06A / ATA 103.06 (MODIFIED)																														
24. NOZZLE FUELING PRESSURE (45psi max)	40	28	26	26	26	40	40	40	40	40	40	37	40	28	40	40	28	26	28	40	40	40	40	40	37	37	26	40	40		
25. TANKER BOTTOM LOAD PRE-CHECK	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		

IDENTIFICATION OF PERSON PERFORMING TASKS, OR PERSON ACCEPTING RESPONSIBILITY THAT TASKS WERE PERFORMED

[redacted]

RATINGS: S = SATISFACTORY; C = COMMENT (COMMEN [illegible] NOT APPLICABLE

NOTE ALL DISCREPANCIES AND/OR IF UNIT IS OUT OF SERVICE IN REMARKS SECTION OR ON BACK OF PAGE.

SUMP SAMPLE RATINGS: SOLIDS - 1 = CLEAN, 2 = SLIGHT, 3 = PARTICULATE, 4 = DIRTY: WATER - A = BRIGHT, B = HAZY, C = CLOUDY, D = WET, E = SURFACTANTS

REMARKS: Bonding cable needs replaced 10-1-14 ENGR 2085 JT

2nd Sump = 1A DQAL - 10-7/14 @ 25/26

RETAIN ON FILE FOR 24 MONTHS

FORM BBASSI 7.2.04A / ATA 103.04A (MODIFIED)

Signature000002

ASIG REV 1/28/11