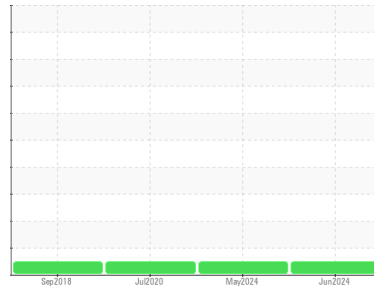




FUEL REPORT

Sample Rating Trend



NORMAL



Area

[42691215]

Machine Id

BOEING 737-800 C-GLRN

Component

Center Jet Fuel

Fluid

JET FUEL Type A (--- GAL)

DIAGNOSIS

Recommendation

Laboratory test indicate that this fuel is suitable for use and meets all test requirements. Resample at the next service interval to monitor.

Contamination

There is no bacteria or fungus (yeast and/or mold) present in the sample. The water content is negligible. The fuel phase was tested for microbes, as there was no separate water phase present in the sample. The MicrobMonitor2 test kit was used to test for microbiological contamination in the sample. There is no indication of any contamination in the jet fuel.

Fluid Condition

All laboratory tests indicate that this sample appears to be Jet Fuel Type A.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0899304	WC0899303	WC0441652
Sample Date	Client Info			13 Jun 2024	28 May 2024	30 Jul 2020
Machine Age	hrs	Client Info		0	0	2552
Oil Age	hrs	Client Info		0	0	0
Oil Changed	Client Info			N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*		0.820	0.800	0.815
Fuel Color	text	Visual Screen*		Clear	Clear	Yellow
Visc @ 40°C	cSt	ASTM D7279(m)	<8.0	1.4	1.3	1.4
Pensky-Martens Flash Point	°C	ASTM D7215*	38	57.6	43	58
Pour Point	°C	ASTM D97*	-45	-60	-54	-54

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	<3000	488	249	185

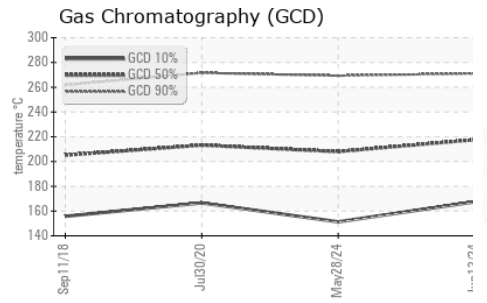
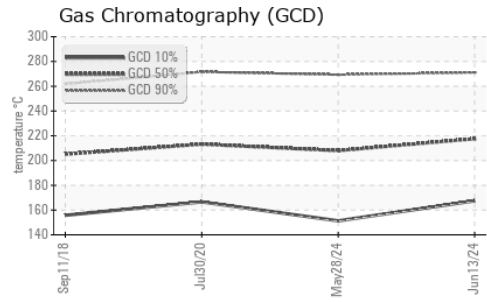
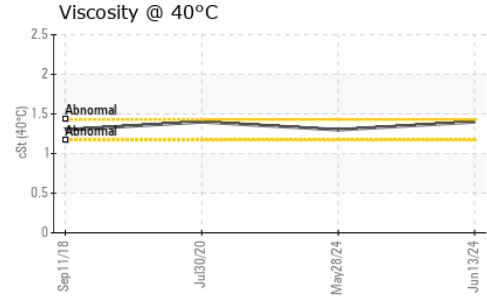
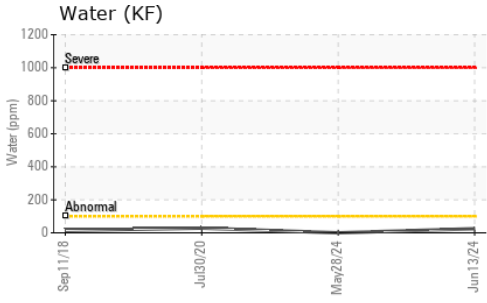
DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*		169	151	172
5% Distillation Point	°C	ASTM D2887*		182	165	182
10% Distill Point	°C	ASTM D2887*	205	186	170	185
15% Distillation Point	°C	ASTM D2887*		190	175	188
20% Distill Point	°C	ASTM D2887*		194	180	191
30% Distill Point	°C	ASTM D2887*		201	188	197
40% Distill Point	°C	ASTM D2887*		208	197	204
50% Distill Point	°C	ASTM D2887*		216	207	212
60% Distill Point	°C	ASTM D2887*		223	216	220
70% Distill Point	°C	ASTM D2887*		231	225	228
80% Distill Point	°C	ASTM D2887*		241	237	239
85% Distillation Point	°C	ASTM D2887*		249	245	248
90% Distill Point	°C	ASTM D2887*		256	254	257
95% Distillation Point	°C	ASTM D2887*		268	268	272
Final Boiling Point	°C	ASTM D2887*	300	307	302	297
Distillation Residue	%	ASTM D86(e)*	1.5	---	---	---
Distillation Loss	%	ASTM D86(e)*	1.5	---	---	---

IGNITION QUALITY		method	limit/base	current	history1	history2
API Gravity		ASTM D1298*	44	41	45	---
Cetane Index		ASTM D4737*	<40.0	44	48	44

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<1.0	0	0	<1
Sodium	ppm	ASTM D5185(m)	<0.1	<1	<1	<1
Potassium	ppm	ASTM D5185(m)	<0.1	0	0	0
Water	%	ASTM D6304*	<0.05	0.002	0.00	0.003
ppm Water	ppm	ASTM D6304*	<500	25	0	28.4

MICROBIAL		method	limit/base	current	history1	history2
Microbes	CFU/L	ASTM D6469*	>=100000	0	0	---

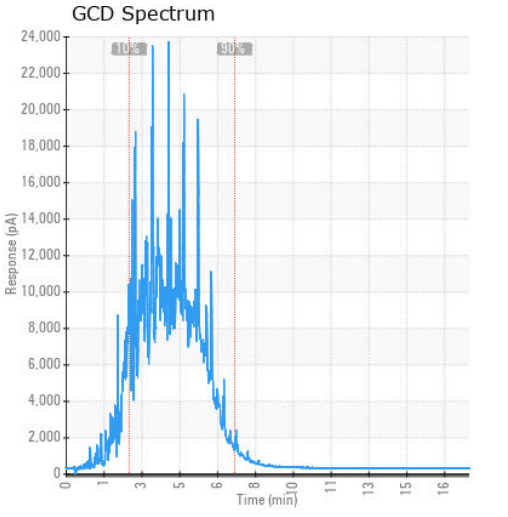
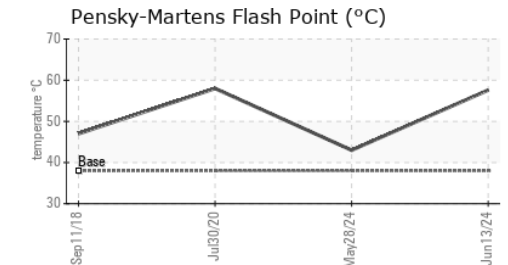
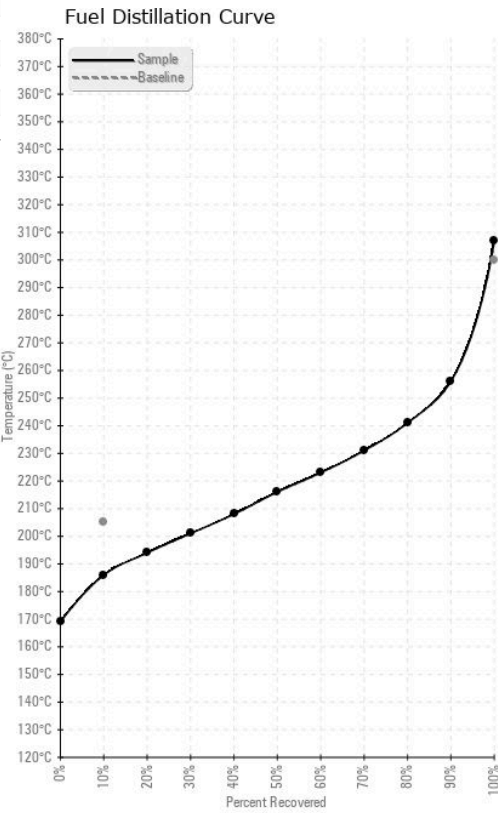
FUEL REPORT



HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)	<0.1	0	0	<1
Nickel	ppm	ASTM D5185(m)	<0.1	0	0	0
Lead	ppm	ASTM D5185(m)	<0.1	0	0	0
Vanadium	ppm	ASTM D5185(m)	<0.1	0	0	0
Iron	ppm	ASTM D5185(m)	<0.1	0	0	<1
Calcium	ppm	ASTM D5185(m)	<0.1	0	0	<1
Magnesium	ppm	ASTM D5185(m)	<0.1	0	0	0
Phosphorus	ppm	ASTM D5185(m)	<0.1	0	<1	<1
Zinc	ppm	ASTM D5185(m)	<0.1	0	0	<1

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						
Bottom						

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0899304 **Received** : 14 Jun 2024
Lab Number : 02642172 **Tested** : 19 Jun 2024
Unique Number : 5799711 **Diagnosed** : 19 Jun 2024 - Kevin Marson
Test Package : FUEL (Additional Tests: CC Flash)

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.

SUNWING AIRLINES
 44 FASKEN DRIVE, UNIT 12/13
 ETOBICOKE, ON
 CA M9W 5M8
 Contact: Geoff Carroll
 gcarroll@flaysunwing.com
 T: (416)802-9643
 F: (416)640-1595