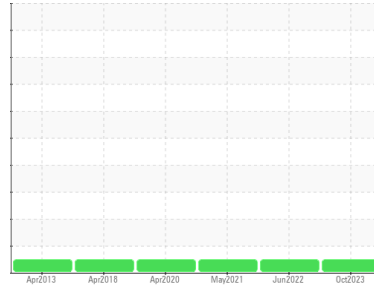




FUEL REPORT

Sample Rating Trend

NORMAL



Machine Id
[CGOWG] BOEING 737-800 CGOWG
 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.

Wear

{not applicable}

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			WC0776689	WC0649436	WC0397681
Sample Date	Client Info			03 Oct 2023	06 Jun 2022	07 May 2021
Machine Age	hrs	Client Info		0	0	0
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*		0.799	0.810	0.815
Fuel Color	text	Visual Screen*		Clear	Clear	Clear
Visc @ 40°C	cSt	ASTM D7279(m)	<8.0	1.2	1.3	1.2
Pensky-Martens Flash Point	°C	ASTM D7215*	38	41.8	47	44.1
Pour Point	°C	ASTM D97*	-45	-57	-69	-66

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	<3000	443	420	23

DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*		150	146	157
5% Distillation Point	°C	ASTM D2887*		163	161	164
10% Distill Point	°C	ASTM D2887*	205	167	166	167
15% Distillation Point	°C	ASTM D2887*		171	170	170
20% Distill Point	°C	ASTM D2887*		175	175	174
30% Distill Point	°C	ASTM D2887*		181	181	182
40% Distill Point	°C	ASTM D2887*		189	188	192
50% Distill Point	°C	ASTM D2887*		198	195	202
60% Distill Point	°C	ASTM D2887*		207	202	213
70% Distill Point	°C	ASTM D2887*		215	209	224
80% Distill Point	°C	ASTM D2887*		227	220	238
85% Distillation Point	°C	ASTM D2887*		234	227	248
90% Distill Point	°C	ASTM D2887*		242	234	258
95% Distillation Point	°C	ASTM D2887*		254	246	275
Final Boiling Point	°C	ASTM D2887*	300	299	264	315
Distillation Residue	%	ASTM D86(e)*	1.5	---	---	---
Distillation Loss	%	ASTM D86(e)*	1.5	---	---	---

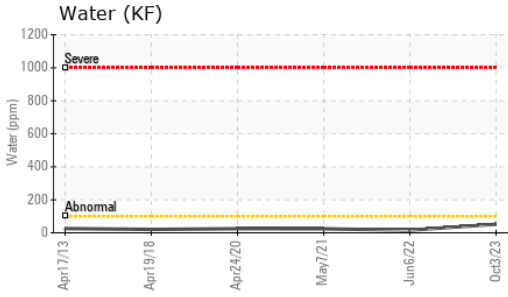
IGNITION QUALITY		method	limit/base	current	history1	history2
API Gravity		ASTM D1298*	44	---	43	42
Cetane Index		ASTM D4737*	<40.0	---	40	41

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<1.0	0	0	0
Sodium	ppm	ASTM D5185(m)	<0.1	<1	0	<1
Potassium	ppm	ASTM D5185(m)	<0.1	0	0	0
Water	%	ASTM D6304*	<0.05	0.005	0.002	0.002
ppm Water	ppm	ASTM D6304*	<500	52.0	16.2	24.4

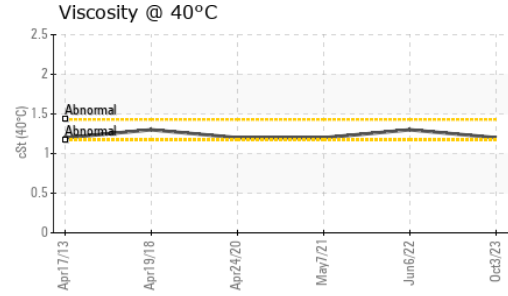
MICROBIAL		method	limit/base	current	history1	history2
Microbes	CFU/L	ASTM D6469*	>=100000	0	0	---



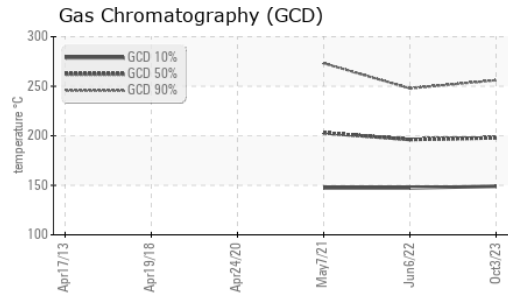
FUEL REPORT



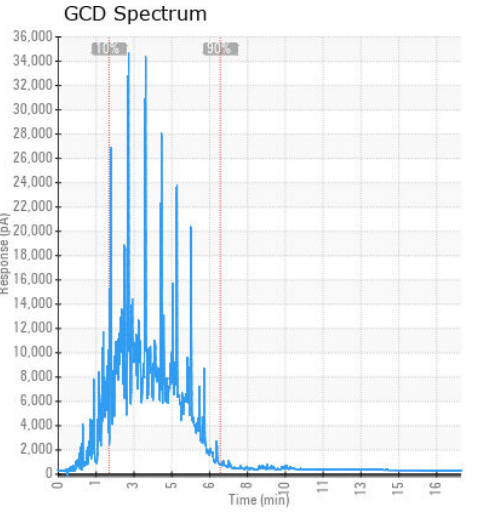
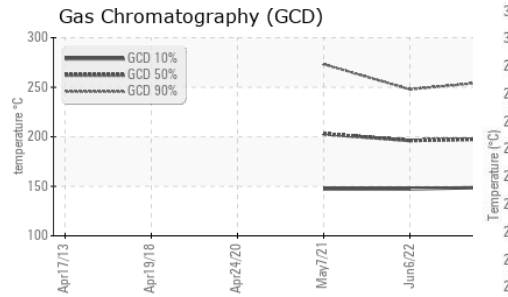
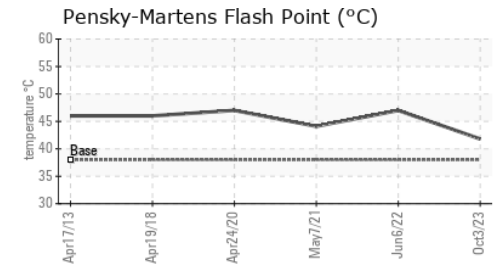
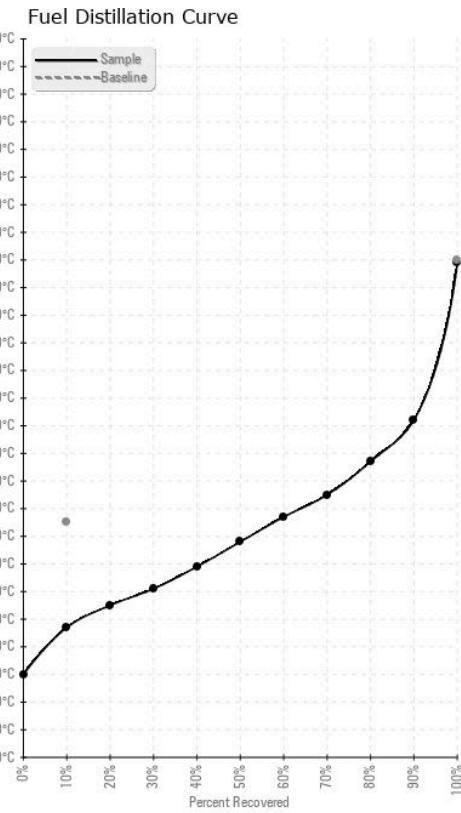
HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)	<0.1	0	0	0
Nickel	ppm	ASTM D5185(m)	<0.1	0	0	0
Lead	ppm	ASTM D5185(m)	<0.1	0	0	0
Vanadium	ppm	ASTM D5185(m)	<0.1	0	0	0
Iron	ppm	ASTM D5185(m)	<0.1	<1	<1	<1
Calcium	ppm	ASTM D5185(m)	<0.1	0	0	0
Magnesium	ppm	ASTM D5185(m)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



SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						
Bottom						



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0776689 **Received** : 05 Oct 2023
Lab Number : 02587361 **Diagnosed** : 10 Oct 2023
Unique Number : 5656427 **Diagnostician** : Kevin Marson
Test Package : FUEL (Additional Tests: CC Flash, GC-PercFuel)

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

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.