



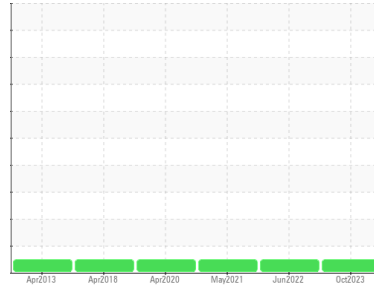
# FUEL REPORT

Sample Rating Trend

**NORMAL**



Area  
**[1001027886]**  
 Machine Id  
**[CGOWG] BOEING 737-800 CGOWG**  
 Component  
**Right 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			<b>WC0776687</b>	WC0649435	WC0441648
Sample Date	Client Info			<b>03 Oct 2023</b>	06 Jun 2022	07 May 2021
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed	Client Info			<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

PHYSICAL PROPERTIES		method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*		<b>0.799</b>	0.809	0.813
Fuel Color	text	Visual Screen*		<b>Clear</b>	Clear	Clear
Visc @ 40°C	cSt	ASTM D7279(m)	<8.0	<b>1.2</b>	1.3	1.3
Pensky-Martens Flash Point	°C	ASTM D7215*	38	<b>42</b>	47	56.5
Pour Point	°C	ASTM D97*	-45	<b>-57</b>	-69	-66

SULFUR CONTENT		method	limit/base	current	history1	history2
Sulfur	ppm	ASTM D5185(m)	<3000	<b>422</b>	450	241

DISTILLATION		method	limit/base	current	history1	history2
Initial Boiling Point	°C	ASTM D2887*		<b>150</b>	145	164
5% Distillation Point	°C	ASTM D2887*		<b>164</b>	161	176
10% Distill Point	°C	ASTM D2887*	205	<b>168</b>	165	178
15% Distillation Point	°C	ASTM D2887*		<b>171</b>	169	183
20% Distill Point	°C	ASTM D2887*		<b>175</b>	174	187
30% Distill Point	°C	ASTM D2887*		<b>181</b>	179	193
40% Distill Point	°C	ASTM D2887*		<b>189</b>	186	202
50% Distill Point	°C	ASTM D2887*		<b>198</b>	193	210
60% Distill Point	°C	ASTM D2887*		<b>207</b>	200	219
70% Distill Point	°C	ASTM D2887*		<b>215</b>	207	228
80% Distill Point	°C	ASTM D2887*		<b>227</b>	217	239
85% Distillation Point	°C	ASTM D2887*		<b>234</b>	224	248
90% Distill Point	°C	ASTM D2887*		<b>242</b>	231	257
95% Distillation Point	°C	ASTM D2887*		<b>256</b>	242	272
Final Boiling Point	°C	ASTM D2887*	300	<b>299</b>	259	311
Distillation Residue	%	ASTM D86(e)*	1.5	<b>---</b>	---	---
Distillation Loss	%	ASTM D86(e)*	1.5	<b>---</b>	---	---

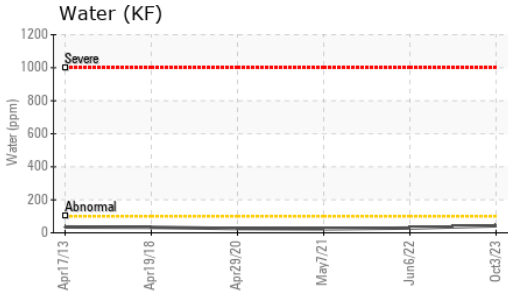
IGNITION QUALITY		method	limit/base	current	history1	history2
API Gravity		ASTM D1298*	44	<b>---</b>	43	42
Cetane Index		ASTM D4737*	<40.0	<b>---</b>	39	44

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<1.0	<b>0</b>	0	0
Sodium	ppm	ASTM D5185(m)	<0.1	<b>&lt;1</b>	0	<1
Potassium	ppm	ASTM D5185(m)	<0.1	<b>0</b>	0	0
Water	%	ASTM D6304*	<0.05	<b>0.004</b>	0.003	0.002
ppm Water	ppm	ASTM D6304*	<500	<b>42.9</b>	29.1	24.1

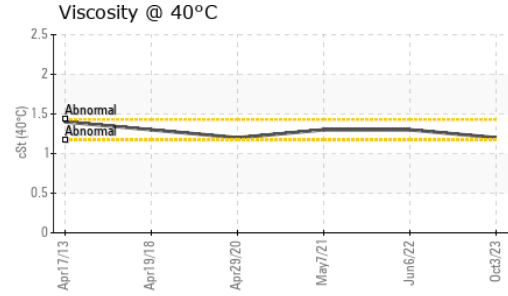
MICROBIAL		method	limit/base	current	history1	history2
Microbes	CFU/L	ASTM D6469*	>=10000	<b>0</b>	0	---



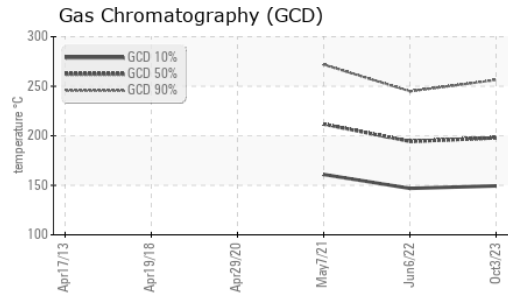
# FUEL REPORT



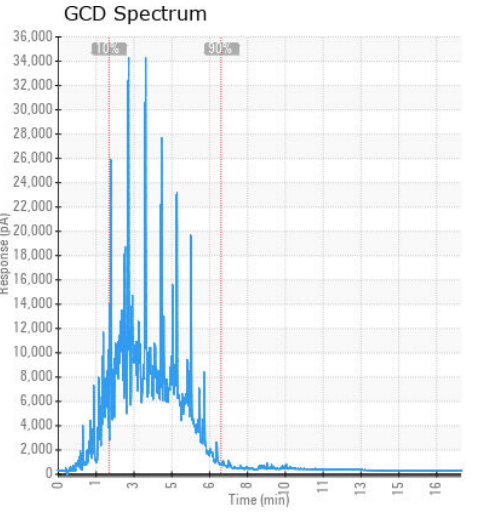
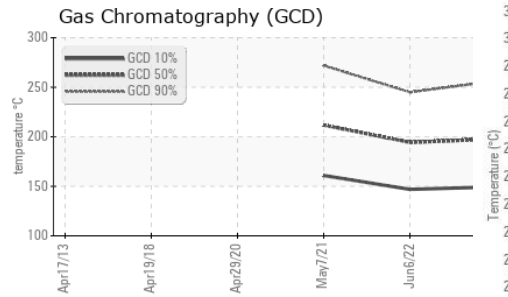
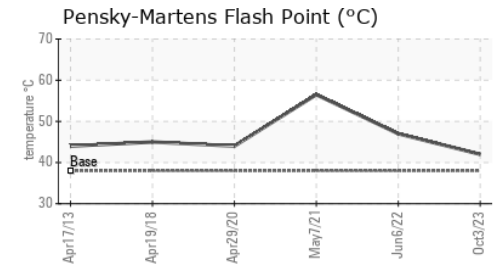
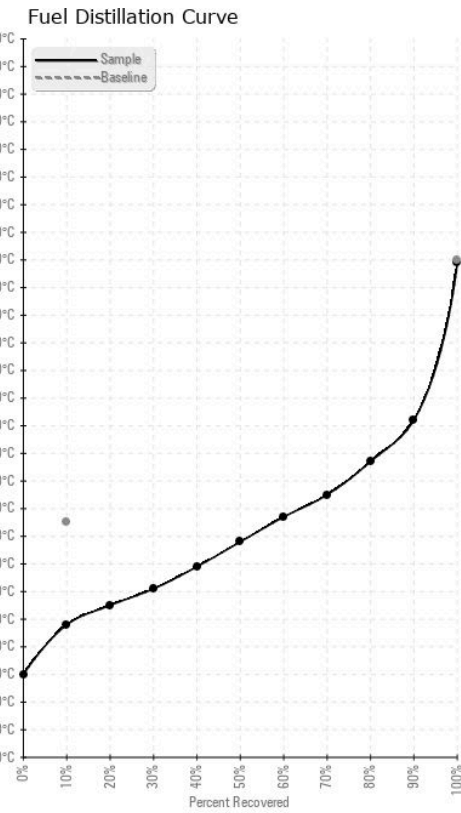
HEAVY METALS		method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)	<0.1	0	0	0
Nickel	ppm	ASTM D5185(m)	<0.1	0	0	0
Lead	ppm	ASTM D5185(m)	<0.1	0	0	0
Vanadium	ppm	ASTM D5185(m)	<0.1	0	0	0
Iron	ppm	ASTM D5185(m)	<0.1	<1	<1	<1
Calcium	ppm	ASTM D5185(m)	<0.1	0	0	0
Magnesium	ppm	ASTM D5185(m)	<0.1	0	<1	<1
Phosphorus	ppm	ASTM D5185(m)	<0.1	<1	<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.** : WC0776687 **Received** : 05 Oct 2023  
**Lab Number** : 02587360 **Diagnosed** : 10 Oct 2023  
**Unique Number** : 5656426 **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.