



# FUEL REPORT

Sample Rating Trend



**NORMAL**



Area  
**(C-GMXXB) [100119467]**  
 Machine Id  
**[C-GMXXB] 11624**  
 Component  
**Left 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	<b>WC0899307</b>	---	---
Sample Date	Client Info	<b>02 Apr 2024</b>	---	---
Machine Age	hrs Client Info	<b>0</b>	---	---
Oil Age	hrs Client Info	<b>0</b>	---	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>NORMAL</b>	---	---

## PHYSICAL PROPERTIES

method	limit/base	current	history1	history2
Specific Gravity	ASTM D1298*	<b>0.802</b>	---	---
Fuel Color	text Visual Screen*	<b>Clear</b>	---	---
Visc @ 40°C	cSt ASTM D7279(m) <8.0	<b>1.3</b>	---	---
Pour Point	°C ASTM D97* -45	<b>-57</b>	---	---

## SULFUR CONTENT

method	limit/base	current	history1	history2
Sulfur	ppm ASTM D5185(m) <3000	<b>422</b>	---	---

## DISTILLATION

method	limit/base	current	history1	history2
Initial Boiling Point	°C ASTM D2887*	<b>154</b>	---	---
5% Distillation Point	°C ASTM D2887*	<b>170</b>	---	---
10% Distill Point	°C ASTM D2887* 205	<b>174</b>	---	---
15% Distillation Point	°C ASTM D2887*	<b>178</b>	---	---
20% Distill Point	°C ASTM D2887*	<b>182</b>	---	---
30% Distill Point	°C ASTM D2887*	<b>187</b>	---	---
40% Distill Point	°C ASTM D2887*	<b>194</b>	---	---
50% Distill Point	°C ASTM D2887*	<b>201</b>	---	---
60% Distill Point	°C ASTM D2887*	<b>208</b>	---	---
70% Distill Point	°C ASTM D2887*	<b>215</b>	---	---
80% Distill Point	°C ASTM D2887*	<b>225</b>	---	---
85% Distillation Point	°C ASTM D2887*	<b>233</b>	---	---
90% Distill Point	°C ASTM D2887*	<b>240</b>	---	---
95% Distillation Point	°C ASTM D2887*	<b>254</b>	---	---
Final Boiling Point	°C ASTM D2887* 300	<b>272</b>	---	---

## IGNITION QUALITY

method	limit/base	current	history1	history2
API Gravity	ASTM D1298* 44	<b>44</b>	---	---
Cetane Index	ASTM D4737* <40.0	<b>47</b>	---	---

## CONTAMINANTS

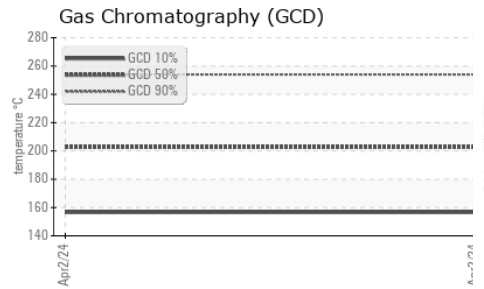
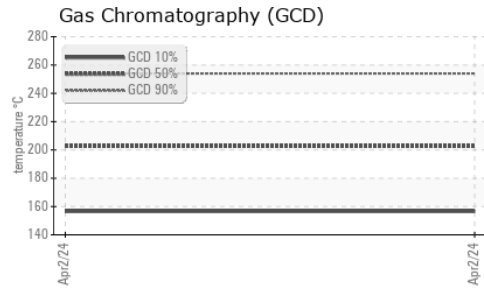
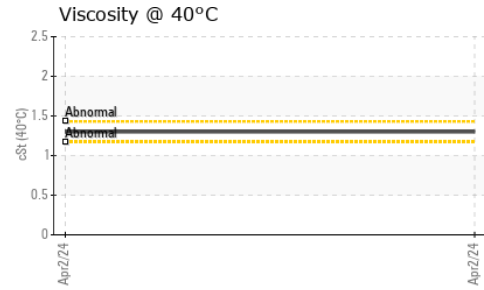
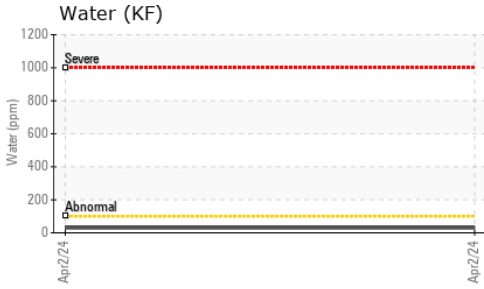
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) <1.0	<b>0</b>	---	---
Sodium	ppm ASTM D5185(m) <0.1	<b>&lt;1</b>	---	---
Potassium	ppm ASTM D5185(m) <0.1	<b>0</b>	---	---
Water	% ASTM D6304* <0.05	<b>0.003</b>	---	---
ppm Water	ppm ASTM D6304* <500	<b>30</b>	---	---

## MICROBIAL

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



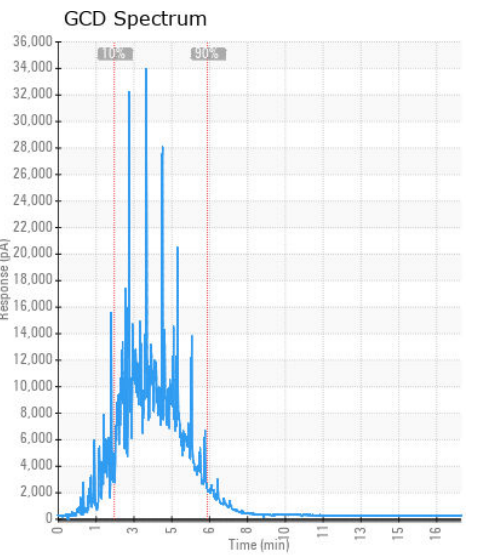
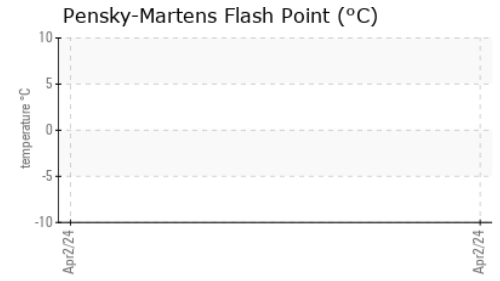
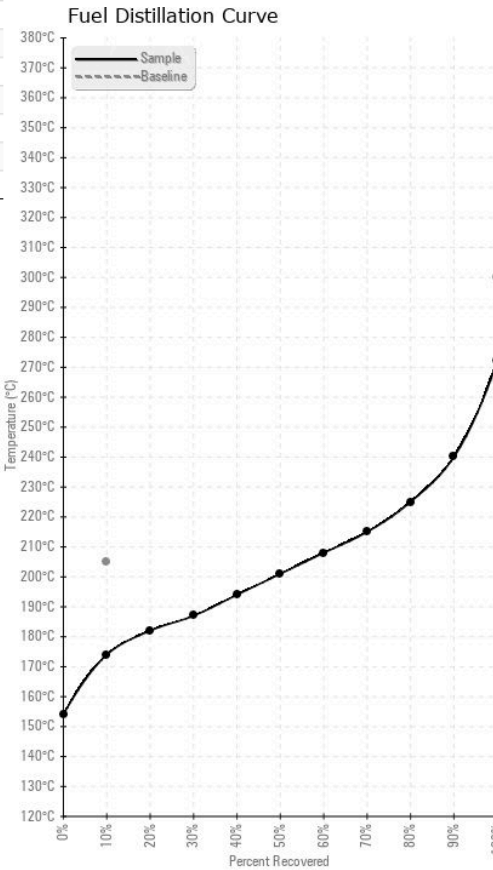
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HEAVY METALS	method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185(m)	<0.1	0	---
Nickel	ppm	ASTM D5185(m)	<0.1	0	---
Lead	ppm	ASTM D5185(m)	<0.1	0	---
Vanadium	ppm	ASTM D5185(m)	<0.1	0	---
Iron	ppm	ASTM D5185(m)	<0.1	0	---
Calcium	ppm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

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0899307  
**Lab Number** : 02626806  
**Unique Number** : 5759938  
**Test Package** : FUEL

**SUNWING AIRLINES**  
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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.