



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL

Area  
**(CFYAG) PERIMETER AVIATION [53020]**  
Machine Id  
**[CFYAG] FAIRCHILD SA227 P-44205C (S/N AC-670B)**  
Component  
**1 Jet Turbine**  
Fluid  
**EASTMAN TURBO OIL 2380 (--- GAL)**

## RECOMMENDATION

This is a baseline read-out on the submitted sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GT57398</b>	GT57408	GT56945
Sample Date		Client Info		<b>27 Feb 2024</b>	14 Nov 2023	11 Sep 2023
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>826</b>	747	670
Filter Age	hrs	Client Info		<b>79</b>	77	89
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	NORMAL	---

## WEAR

Iron	ppm	ASTM D5185(m)	>8	<b>&lt;1</b>	<1	<1
Chromium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	1
Lead	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	<1	<1

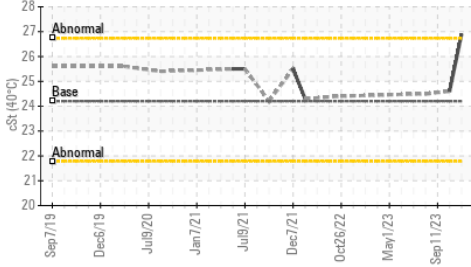
## CONTAMINATION

Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
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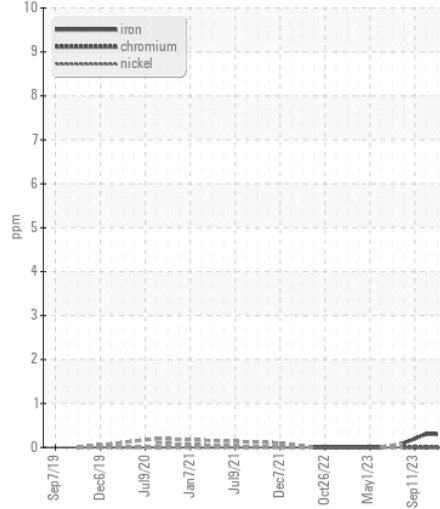
## FLUID CONDITION

Magnesium	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Acid Number (AN)	mg KOH/g	ASTM D974*	0.43	<b>0.70</b>	0.78	0.76
Visc @ 40°C	cSt	ASTM D7279(m)	24.2	<b>▲ 26.9</b>	24.6	---

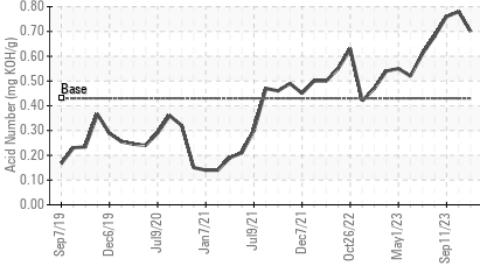
▲ Viscosity @ 40°C



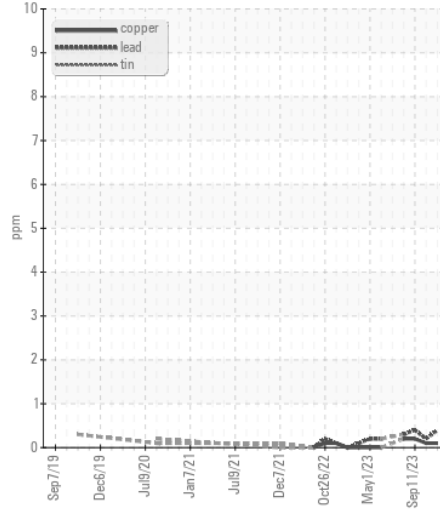
Ferrous Alloys



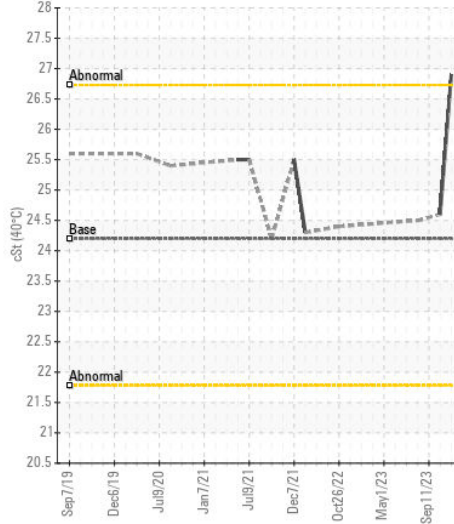
Acid Number



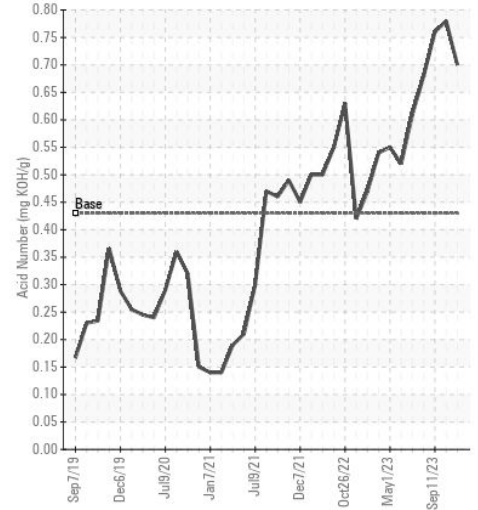
Non-ferrous Metals



▲ Viscosity @ 40°C



Acid Number



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GT57398  
**Lab Number** : 02619131  
**Unique Number** : 5736241  
**Test Package** : G331 ( Additional Tests: ICP )

**Received** : 29 Feb 2024  
**Tested** : 29 Feb 2024  
**Diagnosed** :

**Honeywell Engines**  
 111 S. 34th Street, 301 Receiving, Attn: SOAP Program  
 PHOENIX, AZ  
 US 85034  
 Contact: GARRETT

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.

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