



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
(CGKSX)
Machine Id
L-9895-61A
Component
Left Piston Aircraft Engine
Fluid
SHELL AEROSHELL W 15W50 MGR (10 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0882975	---	---
Sample Date		Client Info		08 Jun 2024	---	---
TSN	hrs	Client Info		0	---	---
TSO	hrs	Client Info		1520	---	---
Oil Age	hrs	Client Info		45	---	---
Filter Age	hrs	Client Info		45	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>90	58	---	---
Chromium	ppm	ASTM D5185(m)	>20	10	---	---
Nickel	ppm	ASTM D5185(m)	>15	9	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>5	0	---	---
Aluminum	ppm	ASTM D5185(m)	>25	9	---	---
Lead	ppm	ASTM D5185(m)	>20000	9034	---	---
Copper	ppm	ASTM D5185(m)	>25	7	---	---
Tin	ppm	ASTM D5185(m)	>30	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

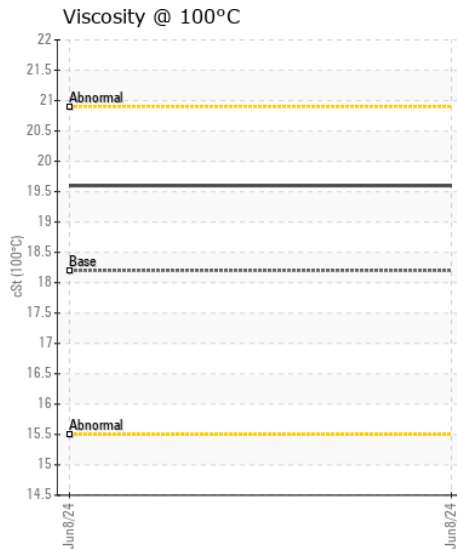
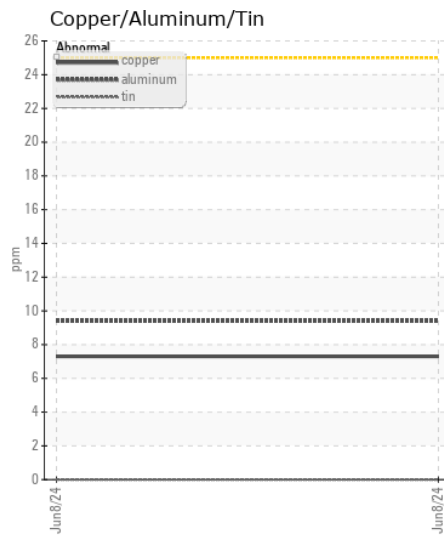
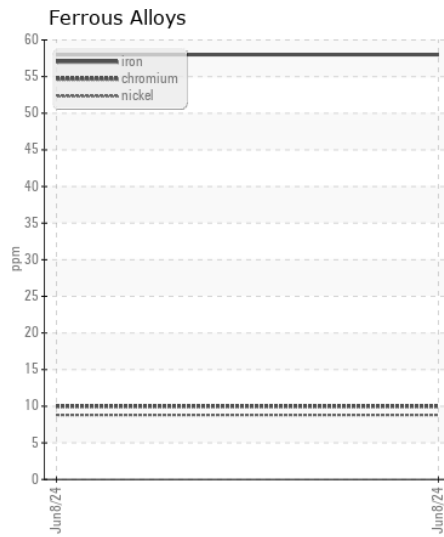
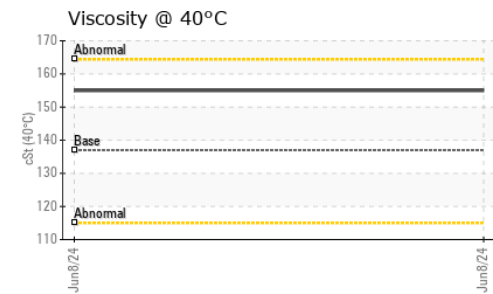
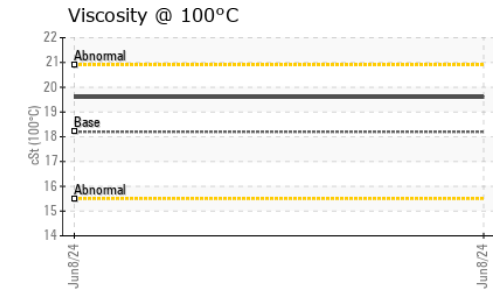
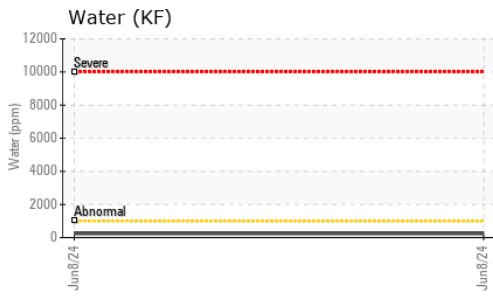
The water content is negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>15	4	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---
Fuel		WC Method	>4.0	<1.0	---	---
Water	%	ASTM D6304*	>0.1	0.024	---	---
ppm Water	ppm	ASTM D6304*	>1000	241	---	---
Glycol		WC Method		NEG	---	---
Silt	scalar	Visual*	NONE	VLITE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.1	.2%	---	---

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		<1	---	---
Boron	ppm	ASTM D5185(m)		<1	---	---
Barium	ppm	ASTM D5185(m)		0	---	---
Molybdenum	ppm	ASTM D5185(m)	5	0	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)	10	3	---	---
Calcium	ppm	ASTM D5185(m)	10	<1	---	---
Phosphorus	ppm	ASTM D5185(m)	1280	1033	---	---
Zinc	ppm	ASTM D5185(m)	10	3	---	---
Sulfur	ppm	ASTM D5185(m)	1800	1313	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	137	155	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	18.2	19.6	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	148	145	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0882975
Lab Number : 02645100
Unique Number : 5802639
Test Package : AVI 1 (Additional Tests: KF, KV40, VI)
Received : 02 Jul 2024
Tested : 03 Jul 2024
Diagnosed : 03 Jul 2024 - Kevin Marson

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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.