



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
(C-GKSP)
Machine Id
L-1508-68A
Component
Right 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		WC0882969	WC0706058	WC0706060
Sample Date		Client Info		10 Mar 2024	27 Jan 2024	06 Jan 2024
TSN	hrs	Client Info		0	0	0
TSO	hrs	Client Info		1765	1659	1622
Oil Age	hrs	Client Info		58	37	50
Filter Age	hrs	Client Info		58	37	50
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>90	43	39	72
Chromium	ppm	ASTM D5185(m)	>20	6	5	12
Nickel	ppm	ASTM D5185(m)	>15	4	5	14
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>5	0	0	0
Aluminum	ppm	ASTM D5185(m)	>25	7	8	11
Lead	ppm	ASTM D5185(m)	>20000	7603	6209	7396
Copper	ppm	ASTM D5185(m)	>25	19	9	10
Tin	ppm	ASTM D5185(m)	>30	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

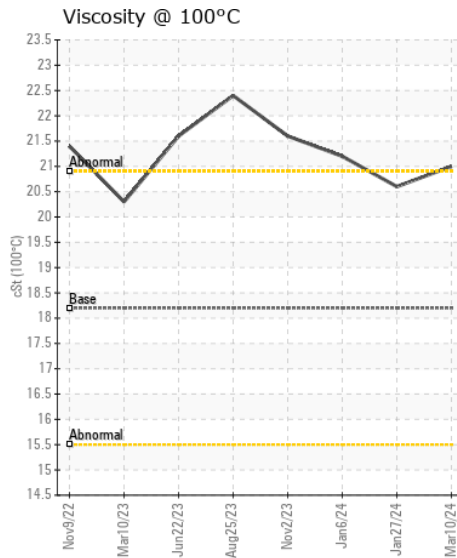
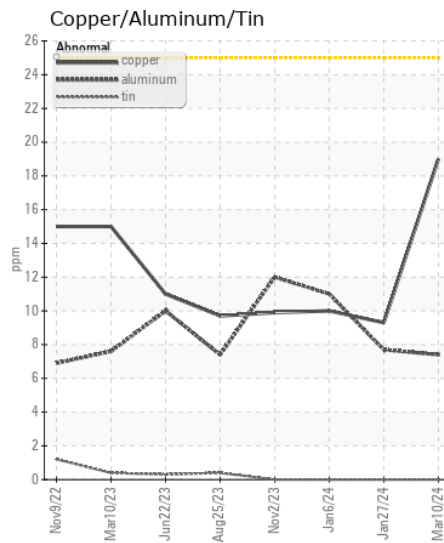
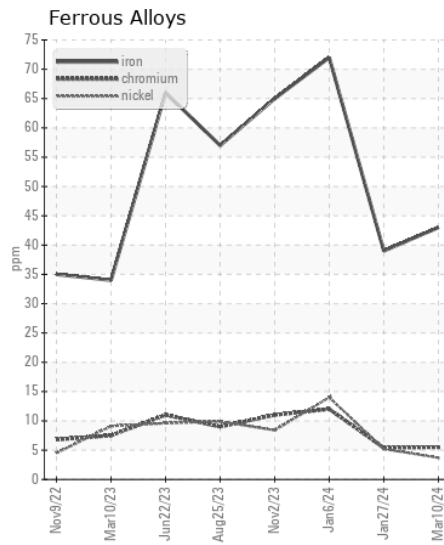
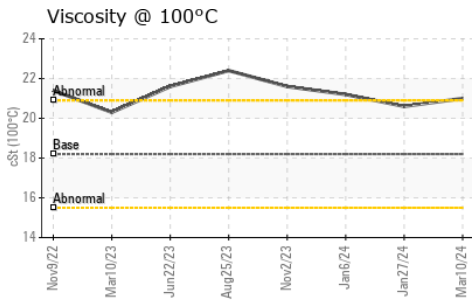
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>15	3	5	5
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Silt	scalar	Visual*	NONE	VLITE	NONE	LIGHT
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	.2%	▲ .2%

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		<1	0	<1
Boron	ppm	ASTM D5185(m)		<1	<1	<1
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)	5	0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)	10	4	4	4
Calcium	ppm	ASTM D5185(m)	10	<1	3	1
Phosphorus	ppm	ASTM D5185(m)	1280	1047	1063	1067
Zinc	ppm	ASTM D5185(m)	10	14	10	7
Sulfur	ppm	ASTM D5185(m)	1800	1481	1793	1731
Visc @ 100°C	cSt	ASTM D7279(m)	18.2	21.0	20.6	21.2



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0882969
Lab Number : 02627855
Unique Number : 5760987
Test Package : AVI 1
Received : 10 Apr 2024
Tested : 10 Apr 2024
Diagnosed : 10 Apr 2024 - Kevin Marson

KASI AVIATION SERVICES INC
 455 FENELON BLVD., SUITE 107
 DORVAL, QC
 CA H9S 5T8
 Contact: MARK KALUS
 MARK@KALUSAIR.COM
 T: (514)633-5605
 F: (514)633-5605

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.