



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

(CF-VFG)

Machine Id

[CF-VFG] CCF HARVARD 4 24277

Component

Front Piston Aircraft Engine

Fluid

PHILLIPS 66 AVIATION X/C SAE 25W60 (10 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0841062	WC0506134	WC995165
Sample Date		Client Info		26 Feb 2024	03 Nov 2020	10 Oct 2017
TSN	hrs	Client Info		0	0	0
TSO	hrs	Client Info		706	534	0
Oil Age	hrs	Client Info		26	34	63
Filter Age	hrs	Client Info		26	34	63
Oil Changed		Client Info		N/A	Changed	N/A
Filter Changed		Client Info		N/A	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>90	7	29	47
Chromium	ppm	ASTM D5185(m)	>20	<1	2	5
Nickel	ppm	ASTM D5185(m)	>15	<1	<1	1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>5	0	<1	<1
Aluminum	ppm	ASTM D5185(m)	>25	2	9	32
Lead	ppm	ASTM D5185(m)	>20000	791	2110	7939
Copper	ppm	ASTM D5185(m)	>25	2	8	14
Tin	ppm	ASTM D5185(m)	>30	0	<1	<1
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

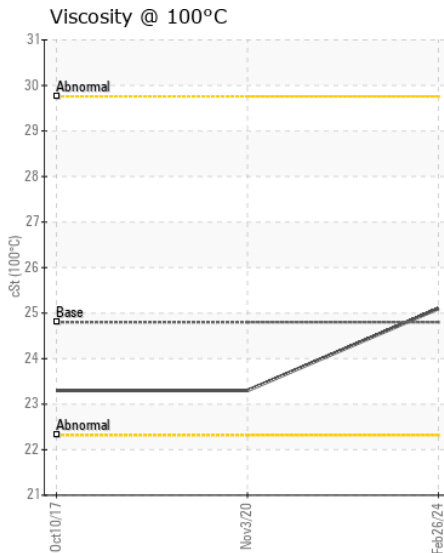
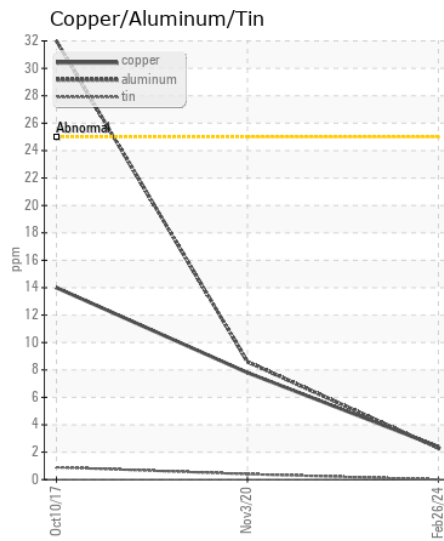
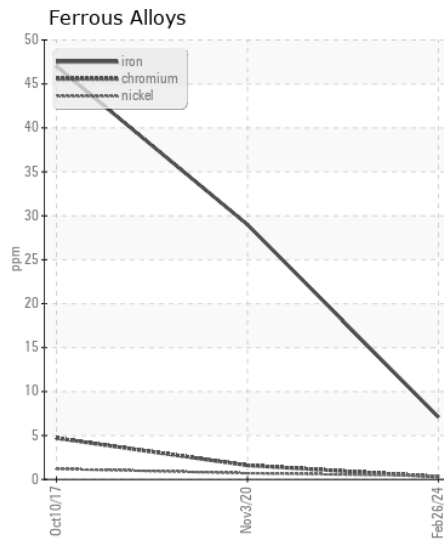
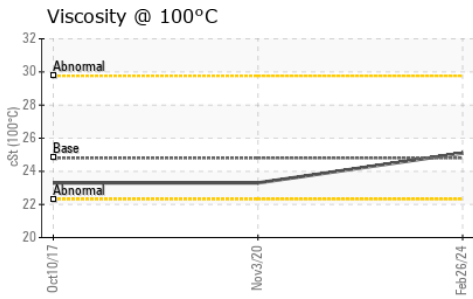
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>15	5	6	8
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	LIGHT	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	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		0	<1	0
Boron	ppm	ASTM D5185(m)		0	<1	0
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)		<1	2	2
Calcium	ppm	ASTM D5185(m)		<1	3	4
Phosphorus	ppm	ASTM D5185(m)		0	<1	2
Zinc	ppm	ASTM D5185(m)		<1	2	2
Sulfur	ppm	ASTM D5185(m)		1215	1388	1347
Visc @ 100°C	cSt	ASTM D7279(m)	24.8	25.1	23.3	23.3



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0841062
Lab Number : 02619917
Unique Number : 5737027
Test Package : AVI 1

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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.