WEAR CONTAMINATION **FLUID CONDITION**

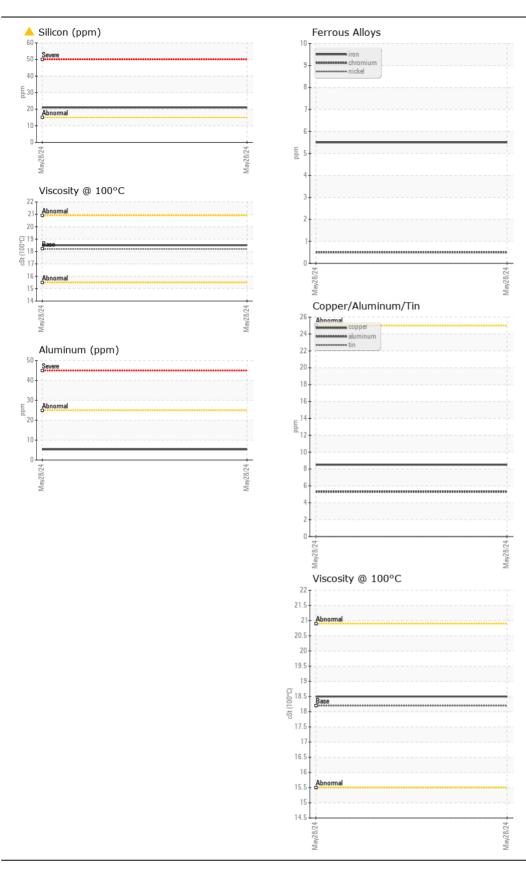
NORMAL ABNORMAL NORMAL

Machine Id

SAMPLE TAKEN INCORRECTLY

Component
Piston Aircraft Engine

RECOMMENDATION We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. We recommend that you drain the oil from the component if this has not already been done. We recommend you service the filters on this component. We recommend an early resample to monitor this condition. Please note that this is a corrected copy for data entry updates.	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number	O O IVI	Client Info	Ellille / toll	WC0931371		
	Sample Date		Client Info		28 May 2024		
	TSN	hrs	Client Info		0		
	TSO	hrs	Client Info		530		
	Oil Age	hrs	Client Info		15		
	Filter Age	hrs	Client Info		15		
	Oil Changed		Client Info		N/A		
	Filter Changed		Client Info		N/A		
	Sample Status				ABNORMAL		
/EAD			ACTM DE10E()				
WEAR All component wear rates are normal.	Iron	ppm	ASTM D5185(m)	>90	6		
	Chromium Nickel	ppm	ASTM D5185(m) ASTM D5185(m)	>20	<1 <1		
		ppm	\ /	>15	0		
	Titanium Silver	ppm	ASTM D5185(m) ASTM D5185(m)	>5	0		
	Aluminum	ppm	ASTM D5185(m)		5		
	Lead	ppm	ASTM D5185(m)	>20000	2271		
	Copper	ppm	ASTM D5185(m)		8		
	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 Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress.	Silicon	ppm	ASTM D5185(m)		<u>^</u> 21		
	Potassium	ppm	ASTM D5185(m)		0		
	Fuel		WC Method		<1.0		
	Water		WC Method WC Method	>0.1	NEG NEG		
	Glycol Silt	cooler	Visual*	NONE	VLITE		
	Debris	scalar scalar	Visual*	NONE	NONE		
	Sand/Dirt	scalar	Visual*	NONE	NONE		
	Appearance	scalar	Visual*	NORML	NORML		
	Odor		Visual*	NORML	NORML		
	Emulsified Water		Visual*	>0.1	NEG		
LUID CONDITION	Sodium	ppm	ASTM D5185(m)		1		
The oil is no longer serviceable due to the presence of contaminants.	Boron	ppm	ASTM D5185(m)		<1		
	Barium	ppm	ASTM D5185(m)		0		
	Molybdenum	ppm	ASTM D5185(m)	5	0		
	Manganese	ppm	ASTM D5185(m)	10	0		
	Magnesium	ppm	ASTM D5185(m)		<1		
	_		ASTM D5185(m)	10	1		
	Calcium	ppm	AOTA PEGOT	1000	4464		
	Calcium Phosphorus	ppm	ASTM D5185(m)		1121		
	Calcium		ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	10	1121 3 1312		





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

: WC0931371 Lab Number : 02639395 Unique Number : 5788557 Test Package : AVI 1

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received : 03 Jun 2024 **Tested** : 11 Jun 2024

Diagnosed : 11 Jun 2024 - Kevin Marson

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.

HANDFIELD AVIATION

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