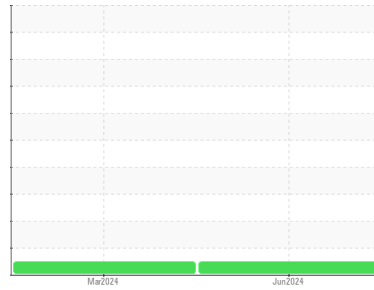




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area

Test Rig

Machine Id

[Test Rig] M184 MLG Fatigue

Component

1 Test Point

Fluid

SKYDROL LD-4 (--- GAL)

DIAGNOSIS

Recommendation

NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. NOTE: Not enough sample submitted to perform particle count, therefore fluid cleanliness levels were not determined. (Customer Sample Comment: Side stay up)

Wear

All component wear rates are normal.

Contamination

The water content is negligible.

Fluid Condition

The AN level is acceptable for this fluid.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0934931	WC0741667	---
Sample Date	Client Info			27 Jun 2024	25 Mar 2024	---
Machine Age	hrs	Client Info		0	0	---
Oil Age	hrs	Client Info		0	0	---
Oil Changed	Client Info			N/A	Not Changd	---
Sample Status				NORMAL	NORMAL	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)		3	3	---
Chromium	ppm	ASTM D5185(m)		0	0	---
Nickel	ppm	ASTM D5185(m)		<1	0	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)		<1	0	---
Lead	ppm	ASTM D5185(m)		0	0	---
Copper	ppm	ASTM D5185(m)		6	2	---
Tin	ppm	ASTM D5185(m)		0	0	---
Antimony	ppm	ASTM D5185(m)		0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Beryllium	ppm	ASTM D5185(m)		0	0	---
Cadmium	ppm	ASTM D5185(m)		<1	0	---

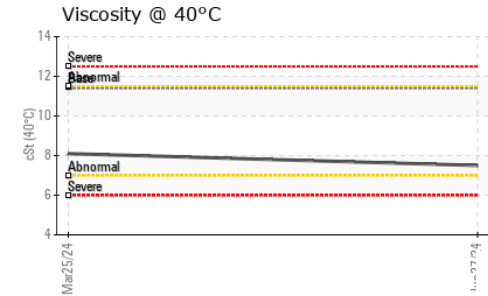
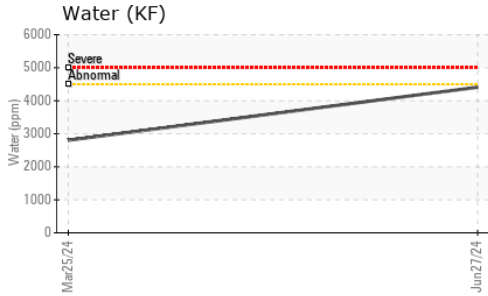
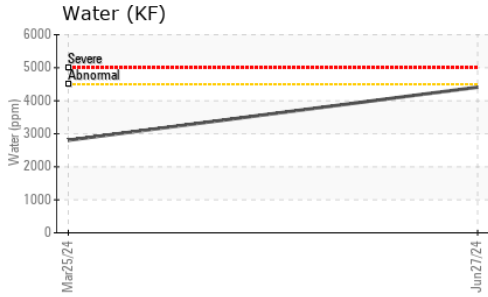
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	1	2	---
Barium	ppm	ASTM D5185(m)	0	0	0	---
Molybdenum	ppm	ASTM D5185(m)	0	0	0	---
Manganese	ppm	ASTM D5185(m)		0	0	---
Magnesium	ppm	ASTM D5185(m)	0	0	<1	---
Calcium	ppm	ASTM D5185(m)	0	2	1	---
Phosphorus	ppm	ASTM D5185(m)	20000	35464	41651	---
Zinc	ppm	ASTM D5185(m)	0	4	4	---
Sulfur	ppm	ASTM D5185(m)	1900	1613	1571	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		0	0	---
Sodium	ppm	ASTM D5185(m)		4	3	---
Potassium	ppm	ASTM D5185(m)	>20	19	19	---
Water	%	ASTM D6304*	>0.45	0.441	0.280	---
ppm Water	ppm	ASTM D6304*	>4500	4410	2805	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles 5-15µm	count	NAS 1638	>32000	---	19306	---
Particles 15-25µm	count	NAS 1638	>5700	---	1547	---
Particles 25-50µm	count	NAS 1638	>1012	---	460	---
Particles 50-100µm	count	NAS 1638	>180	---	20	---
Particles >100µm	count	NAS 1638	>32	---	0	---
NAS 1638	Class	NAS 1638	>7	---	7	---



OIL ANALYSIS REPORT

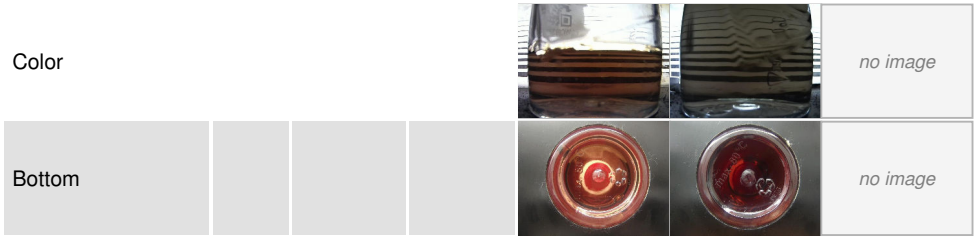


FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.10	0.09	0.19	---

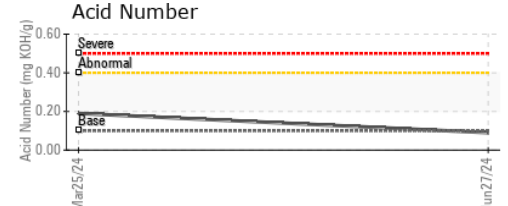
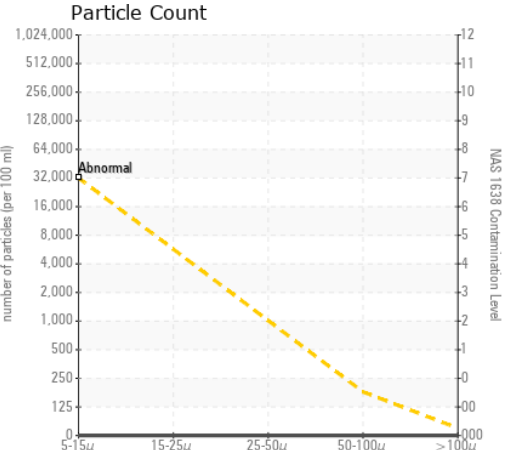
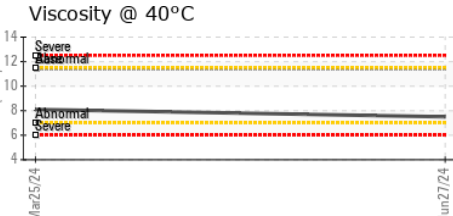
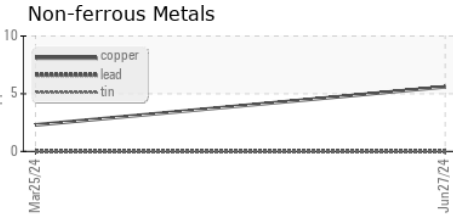
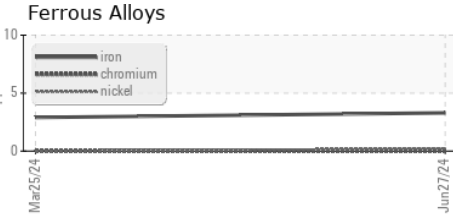
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	VLITE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.45	NEG	NEG	---
Free Water	scalar	Visual*		NEG	NEG	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	11.42	7.5	8.1	---

SAMPLE IMAGES



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0934931 **Received** : 03 Jul 2024
Lab Number : **02645354** **Tested** : 09 Jul 2024
Unique Number : 5802893 **Diagnosed** : 09 Jul 2024 - Kevin Marson
Test Package : IND 2 (Additional Tests: KF, PrtCount, PrtCountNAS, TAN Man)

Safran Landing Systems
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 Ajax, ON
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 Contact: Rob Zane
 rob.zane@safrangroup.com
 T:
 F: (905)683-6983

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.