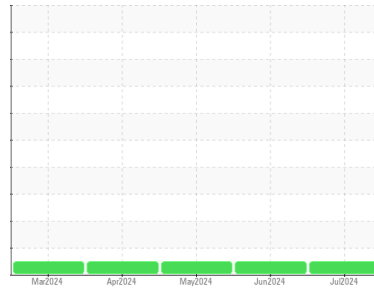




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
RO
 Machine Id
DEC 9195
 Component
Hydraulic System
 Fluid
SKYDROL LD-4 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.
 NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Wear

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0961570	WC0952521	WC0941882
Sample Date	Client Info		02 Jul 2024	04 Jun 2024	07 May 2024
Machine Age	hrs	Client Info	0	0	0
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			NORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>20	<1	0	<1
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>20	<1	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<1	0	0
Lead	ppm	ASTM D5185(m)	>20	0	0	0
Copper	ppm	ASTM D5185(m)	>20	0	0	<1
Tin	ppm	ASTM D5185(m)	>20	0	0	0
Antimony	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	0	2	<1	2
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)	0	<1	<1	<1
Calcium	ppm	ASTM D5185(m)	0	3	2	21
Phosphorus	ppm	ASTM D5185(m)	20000	35698	42974	39015
Zinc	ppm	ASTM D5185(m)	0	<1	1	5
Sulfur	ppm	ASTM D5185(m)	1900	1571	1548	1573
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS

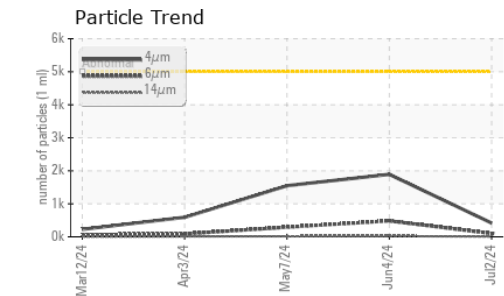
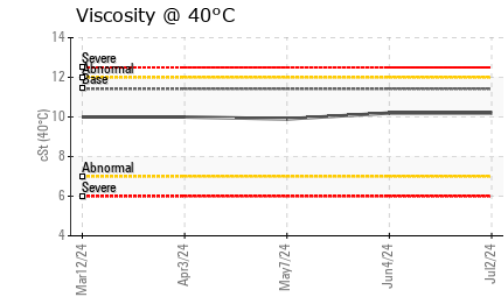
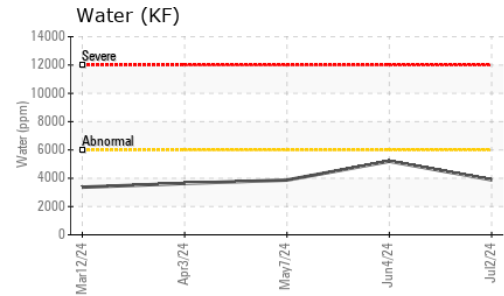
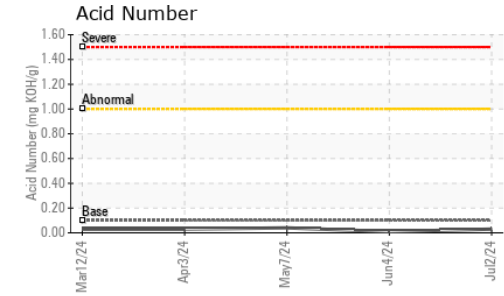
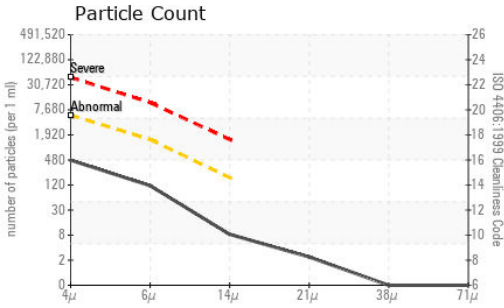
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>15	0	0	0
Sodium	ppm	ASTM D5185(m)		3	<1	3
Potassium	ppm	ASTM D5185(m)	>20	18	21	18
Water	%	ASTM D6304*	>0.6	0.388	0.520	0.386
ppm Water	ppm	ASTM D6304*	>6000	3888	5201	3869

FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	417	1892	1548
Particles >6µm	ASTM D7647	>1300	102	483	292
Particles >14µm	ASTM D7647	>160	7	22	17
Particles >21µm	ASTM D7647	>40	2	5	5
Particles >38µm	ASTM D7647	>10	0	1	2
Particles >71µm	ASTM D7647	>3	0	1	2
Oil Cleanliness	ISO 4406 (c)	>19/17/14	16/14/10	18/16/12	18/15/11



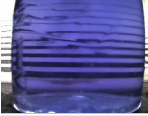
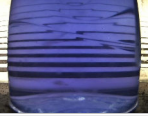

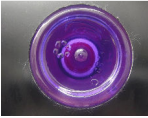


OIL ANALYSIS REPORT



FLUID DEGRADATION	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D974*	0.10	0.03	0.01	0.04

VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	VLITE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
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*	>0.6	NEG	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	11.42	10.2	10.2	9.9

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					
PrntFilter			no image	no image	no image



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0961570 **Received** : 03 Jul 2024
Lab Number : **02645351** **Tested** : 04 Jul 2024
Unique Number : 5802890 **Diagnosed** : 05 Jul 2024 - Kevin Marson
Test Package : IND 2 (Additional Tests: Bottom, FilterPatch, KF, TAN Man)

Safran Landing Systems
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 Contact: Stuart Potter
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 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.