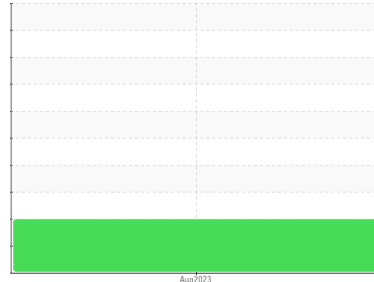




PROBLEM SUMMARY

Sample Rating Trend

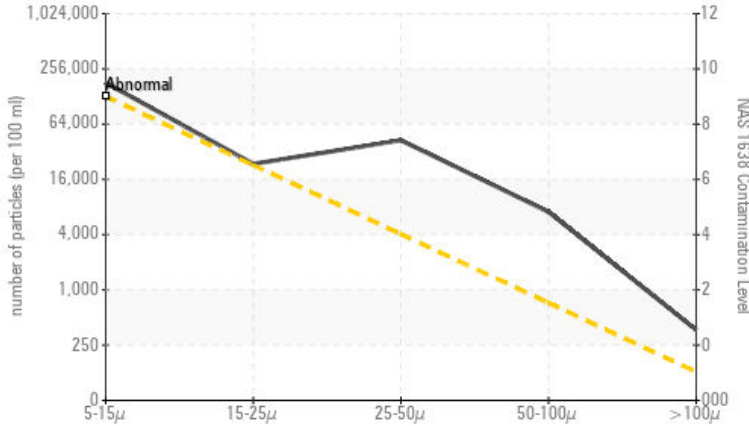
ISO



Machine Id
[C-GLXC] DASSAULT FALCON 7X C-GLXC
 Component
C Hydraulic System
 Fluid
MILITARY MIL-L-5606A (4 LTR)

COMPONENT CONDITION SUMMARY

▲ Particle Count



RECOMMENDATION

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Particles 5-15µm	count	NAS 1638	>128000	▲ 180687	---	---
Particles 15-25µm	count	NAS 1638	>22800	▲ 23566	---	---
Particles 25-50µm	count	NAS 1638	>4050	▲ 42759	---	---
Particles 50-100µm	count	NAS 1638	>720	▲ 7080	---	---
Particles >100µm	count	NAS 1638	>128	▲ 367	---	---

Customer Id: SKY612MIS
 Sample No.: WC0833059
 Lab Number: 02579663
 Test Package: AVI 3



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Kevin Marson +1 (289)291-4644 x4644
Kevin.Marson@wearcheck.com

To change component or sample information:
 Gloria Gonzalez +1 (289)291-4643 x4643
gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS

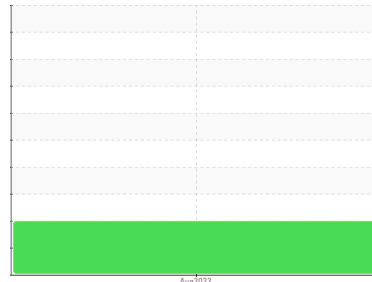
Action	Status	Date	Done By	Description
Change Filter	---	---	?	We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid.
Resample	---	---	?	We recommend an early resample to monitor this condition.
Filter Fluid	---	---	?	We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
[C-GLXC] DASSAULT FALCON 7X C-GLXC
 Component
C Hydraulic System
 Fluid
MILITARY MIL-L-5606A (4 LTR)

DIAGNOSIS

▲ Recommendation

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal. The direct-reading & analytical ferrographic results are normal indicating no abnormal wear in the system.

▲ Contaminants

There is a moderate amount of particulates (2 to 100 microns in size) present in the oil.

Oil Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0833059	---	---
Sample Date	Client Info	28 Aug 2023	---	---
TSN	hrs Client Info	4423	---	---
TSO	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185(m)	>20	0	---	---
Chromium ppm ASTM D5185(m)	>10	0	---	---
Nickel ppm ASTM D5185(m)	>10	0	---	---
Titanium ppm ASTM D5185(m)		0	---	---
Silver ppm ASTM D5185(m)		0	---	---
Aluminum ppm ASTM D5185(m)	>10	<1	---	---
Lead ppm ASTM D5185(m)	>20	0	---	---
Copper ppm ASTM D5185(m)	>20	1	---	---
Tin ppm ASTM D5185(m)	>10	0	---	---
Antimony ppm ASTM D5185(m)		0	---	---
Vanadium ppm ASTM D5185(m)		0	---	---
Beryllium ppm ASTM D5185(m)		0	---	---
Cadmium ppm ASTM D5185(m)		0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185(m)		<1	---	---
Barium ppm ASTM D5185(m)		0	---	---
Molybdenum ppm ASTM D5185(m)		0	---	---
Manganese ppm ASTM D5185(m)		0	---	---
Magnesium ppm ASTM D5185(m)		0	---	---
Calcium ppm ASTM D5185(m)		<1	---	---
Phosphorus ppm ASTM D5185(m)		416	---	---
Zinc ppm ASTM D5185(m)		10	---	---
Sulfur ppm ASTM D5185(m)		113	---	---
Lithium ppm ASTM D5185(m)		<1	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185(m)	>15	3	---	---
Sodium ppm ASTM D5185(m)		0	---	---
Potassium ppm ASTM D5185(m)	>20	0	---	---

FLUID CLEANLINESS

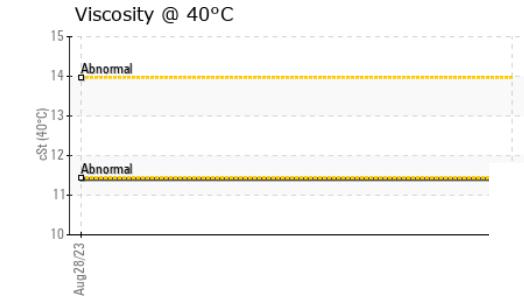
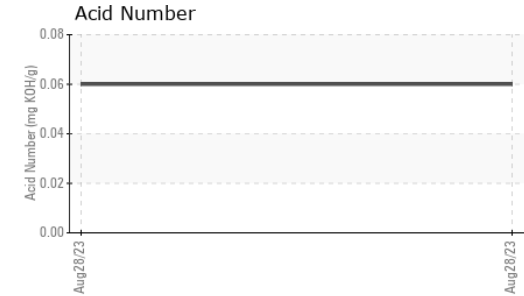
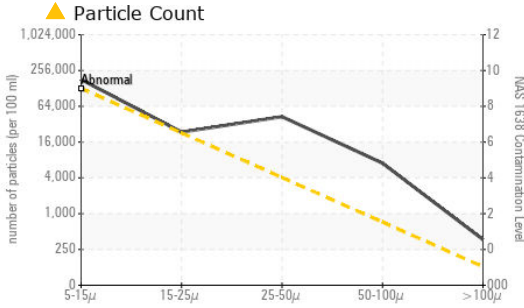
method	limit/base	current	history1	history2
Particles 5-15µm count NAS 1638	>128000	▲ 180687	---	---
Particles 15-25µm count NAS 1638	>22800	▲ 23566	---	---
Particles 25-50µm count NAS 1638	>4050	▲ 42759	---	---
Particles 50-100µm count NAS 1638	>720	▲ 7080	---	---
Particles >100µm count NAS 1638	>128	▲ 367	---	---
NAS 1638 Class NAS 1638	>9	>12	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D974*		0.06	---	---



OIL ANALYSIS REPORT



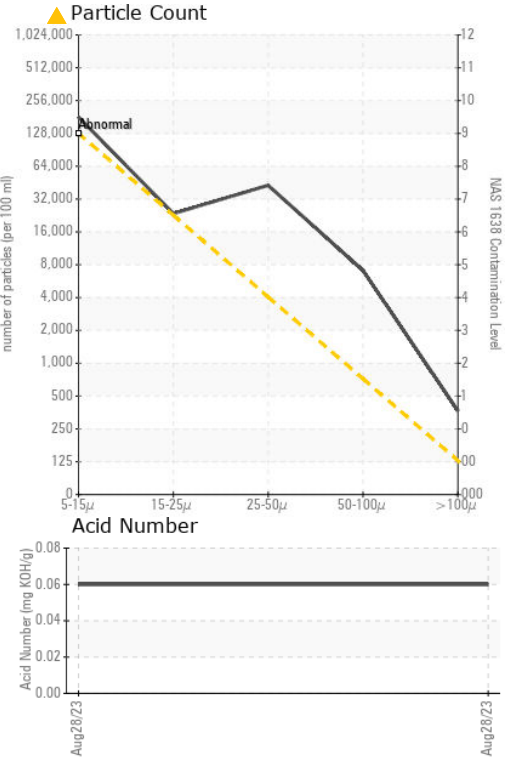
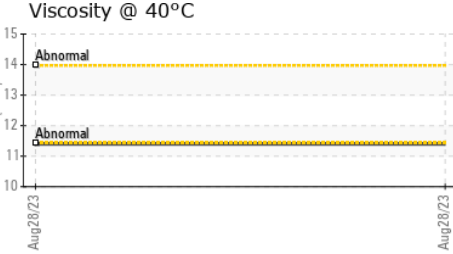
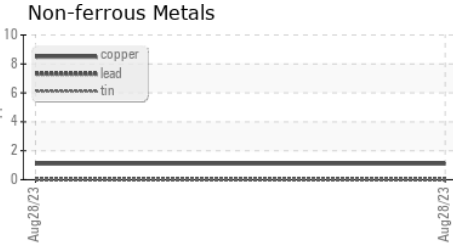
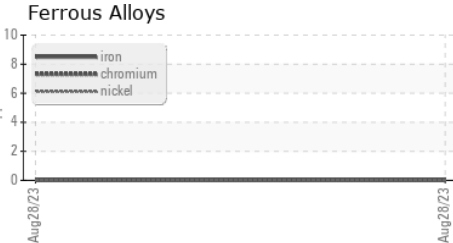
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.05	NEG	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	11.4	---	---

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

GRAPHS

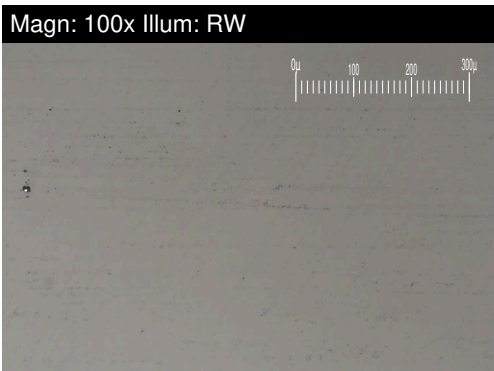
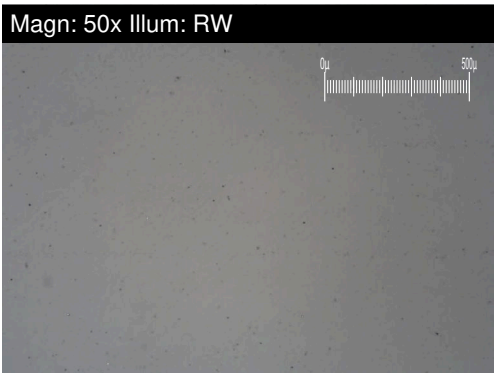
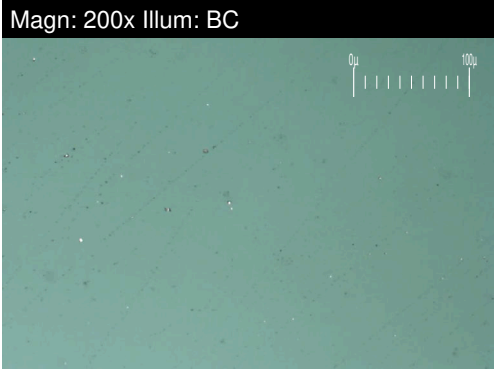


Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **SKYSERVICE BUSINESS AVIATION INC**
Sample No. : WC0833059 **Received** : 31 Aug 2023 **6120 MIDFIELD ROAD**
Lab Number : 02579663 **Diagnosed** : 05 Sep 2023 **MISSISSAUGA, ON**
Unique Number : 5632723 **Diagnostician** : Kevin Marson **CA L4W 2P7**
Test Package : AVI 3 (Additional Tests: PrtCount) **Contact: Crew Chief**
To discuss this sample report, contact Customer Service at 1-800-268-2131. **maintenance_yyz@skyservice.com**
Test denoted () outside scope of accreditation, (m) method modified, (e) tested at external lab.* **T: (416)399-4437**
Validity of results and interpretation are based on the sample and information as supplied. **F:**



FERROGRAPHY REPORT

Machine Id
[C-GLXC] DASSAULT FALCON 7X C-GLXC
 Component
C Hydraulic System
 Fluid
MILITARY MIL-L-5606A (4 LTR)

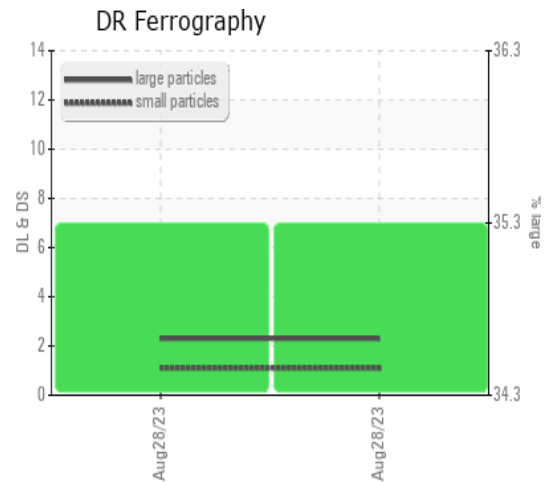


DR-FERROGRAPHY		method	limit/base	current	history1	history2
Large Particles		DR-Ferr*		2.3	---	---
Small Particles		DR-Ferr*		1.1	---	---
Total Particles		DR-Ferr*	>---	3.4	---	---
Large Particles Percentage	%	DR-Ferr*		35.3	---	---
Severity Index		DR-Ferr*		3	---	---

FERROGRAPHY		method	limit/base	current	history1	history2
Ferrous Rubbing	Scale 0-10	ASTM D7684*		1		
Ferrous Sliding	Scale 0-10	ASTM D7684*				
Ferrous Cutting	Scale 0-10	ASTM D7684*				
Ferrous Rolling	Scale 0-10	ASTM D7684*		1		
Ferrous Break-in	Scale 0-10	ASTM D7684*				
Ferrous Spheres	Scale 0-10	ASTM D7684*				
Ferrous Black Oxides	Scale 0-10	ASTM D7684*				
Ferrous Red Oxides	Scale 0-10	ASTM D7684*				
Ferrous Corrosive	Scale 0-10	ASTM D7684*				
Ferrous Other	Scale 0-10	ASTM D7684*				
Nonferrous Rubbing	Scale 0-10	ASTM D7684*				
Nonferrous Sliding	Scale 0-10	ASTM D7684*				
Nonferrous Cutting	Scale 0-10	ASTM D7684*				
Nonferrous Rolling	Scale 0-10	ASTM D7684*				
Nonferrous Other	Scale 0-10	ASTM D7684*				
Carbonaceous Material	Scale 0-10	ASTM D7684*				
Lubricant Degradation	Scale 0-10	ASTM D7684*				
Sand/Dirt	Scale 0-10	ASTM D7684*		1		
Fibres	Scale 0-10	ASTM D7684*				
Spheres	Scale 0-10	ASTM D7684*				
Other	Scale 0-10	ASTM D7684*		1		

WEAR

All component wear rates are normal. The direct-reading & analytical ferrographic results are normal indicating no abnormal wear in the system.



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