



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
(C-FWGH) [1000569181]
Machine Id
[C-FWGH] B737-800 SYS B
Component
Hydraulic System
Fluid
SKYDROL LD-4 (--- GAL)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0618969	---	---
Sample Date		Client Info		01 Sep 2021	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>20	3	---	---
Chromium	ppm	ASTM D5185(m)	>10	<1	---	---
Nickel	ppm	ASTM D5185(m)	>10	<1	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)		<1	---	---
Aluminum	ppm	ASTM D5185(m)	>10	<1	---	---
Lead	ppm	ASTM D5185(m)	>20	<1	---	---
Copper	ppm	ASTM D5185(m)	>20	2	---	---
Tin	ppm	ASTM D5185(m)	>10	<1	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

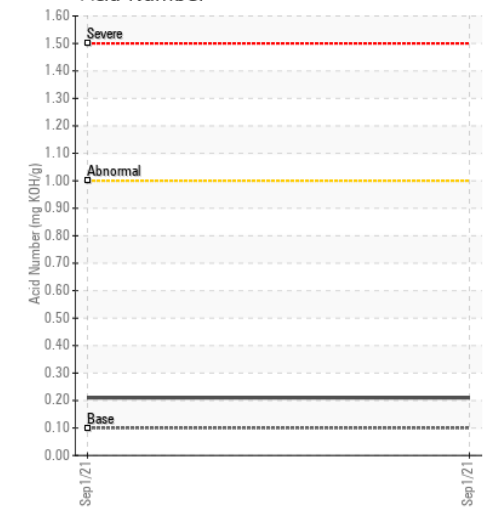
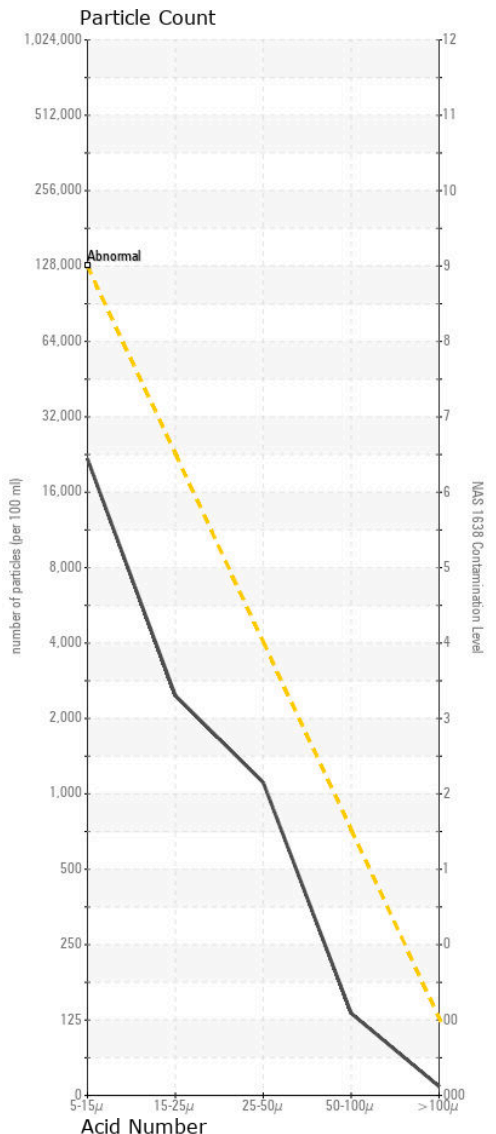
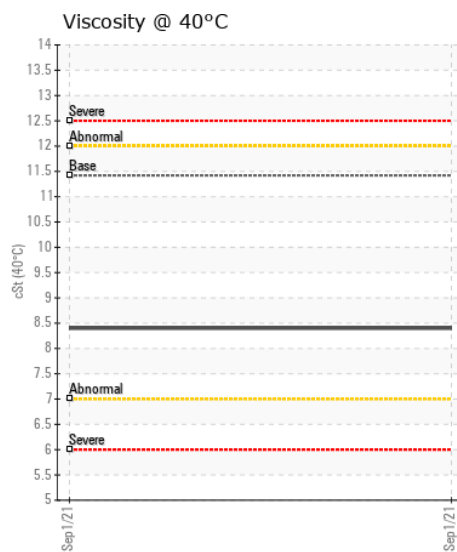
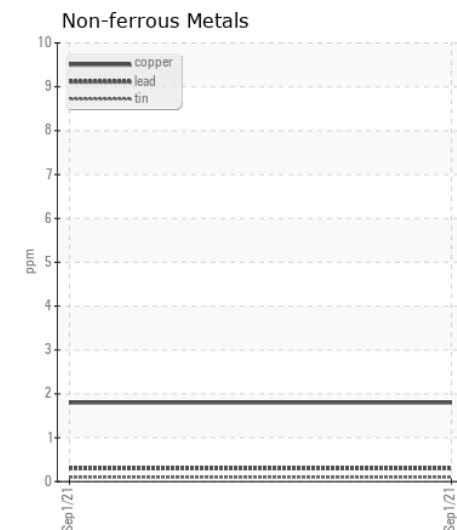
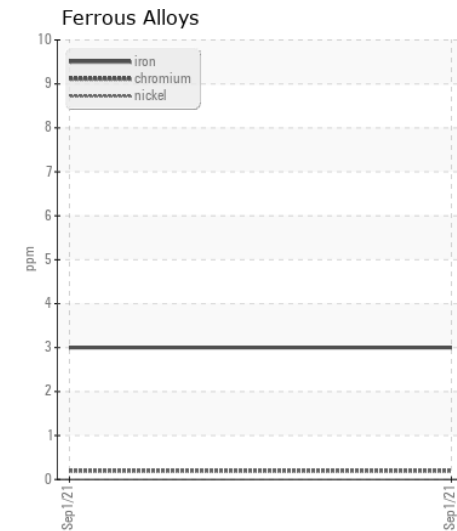
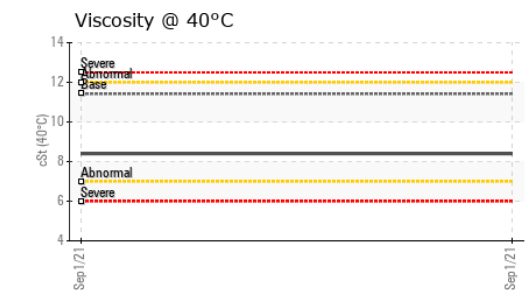
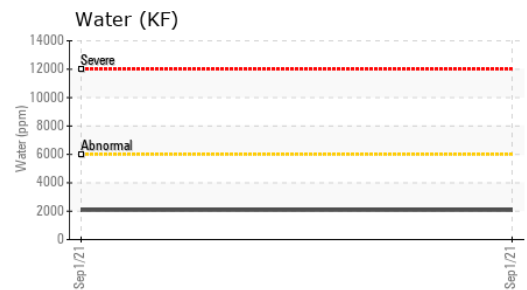
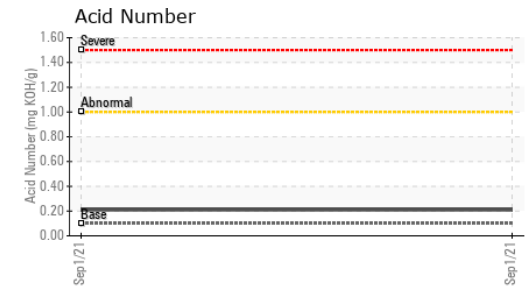
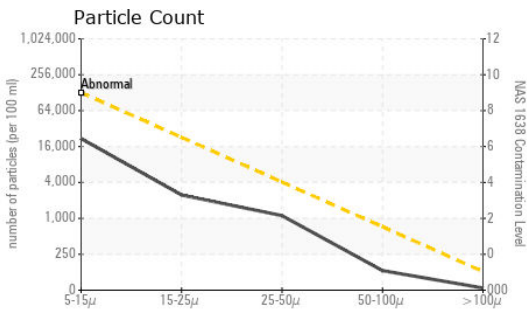
The water content is negligible. There is no indication of any contamination in the oil. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185(m)	>15	<1	---	---
Potassium	ppm	ASTM D5185(m)	>20	20	---	---
Water	%	ASTM D6304*	>0.6	0.207	---	---
ppm Water	ppm	ASTM D6304*	>6000	2074.8	---	---
Particles 5-15µm	count	NAS 1638	>128000	21775	---	---
Particles 15-25µm	count	NAS 1638	>22800	2468	---	---
Particles 25-50µm	count	NAS 1638	>4050	1110	---	---
Particles 50-100µm	count	NAS 1638	>720	133	---	---
Particles >100µm	count	NAS 1638	>128	15	---	---
NAS 1638	Class	NAS 1638	>9	8	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	VLITE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.6	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		3	---	---
Boron	ppm	ASTM D5185(m)	0	3	---	---
Barium	ppm	ASTM D5185(m)	0	0	---	---
Molybdenum	ppm	ASTM D5185(m)	0	<1	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)	0	0	---	---
Calcium	ppm	ASTM D5185(m)	0	6	---	---
Phosphorus	ppm	ASTM D5185(m)	20000	35959	---	---
Zinc	ppm	ASTM D5185(m)	0	<1	---	---
Sulfur	ppm	ASTM D5185(m)	1900	1474	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*	0.10	0.21	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	11.42	8.4	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0618969 **Received** : 02 Sep 2021
Lab Number : 02442001 **Diagnosed** : 11 Jan 2024
Unique Number : 5277533 **Diagnostician** : Bill Quesnel
Test Package : IND 2 (Additional Tests: KF, PrtCount, TAN Man)

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.

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