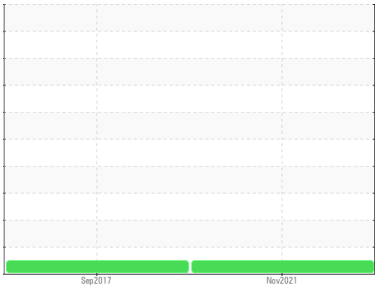
OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

Machine Id
[C-FJVE] B737-800 SYS A (S/N CFJVE)
Component
Hydraulic System
Fluid
HYDRAULIC OIL (PE) ISO 7 (--- GAL)

DIAGNOSIS

Recommendation
Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear
All component wear rates are normal.

Contamination
There is no indication of any contamination in the oil. 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		**WC0618972**	WC904632	---
Sample Date		Client Info		**20 Nov 2021**	11 Sep 2017	---
Machine Age	hrs	Client Info		**0**	14396	---
Oil Age	hrs	Client Info		**0**	0	---
Oil Changed		Client Info		**N/A**	N/A	---
Sample Status				**NORMAL**	NORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.05	**NEG**	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	**4**	5	---
Chromium	ppm	ASTM D5185(m)	>10	**<1**	<1	---
Nickel	ppm	ASTM D5185(m)	>10	**<1**	0	---
Titanium	ppm	ASTM D5185(m)		**0**	0	---
Silver	ppm	ASTM D5185(m)		**<1**	<1	---
Aluminum	ppm	ASTM D5185(m)	>10	**<1**	<1	---
Lead	ppm	ASTM D5185(m)	>20	**<1**	<1	---
Copper	ppm	ASTM D5185(m)	>20	**2**	2	---
Tin	ppm	ASTM D5185(m)	>10	**<1**	<1	---
Antimony	ppm	ASTM D5185(m)		**0**	<1	---
Vanadium	ppm	ASTM D5185(m)		**0**	0	---
Beryllium	ppm	ASTM D5185(m)		**0**	0	---
Cadmium	ppm	ASTM D5185(m)		**11**	16	---

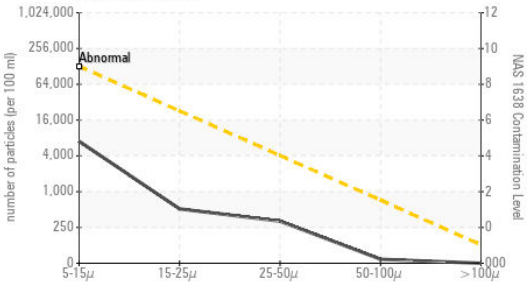
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	5	**4**	1	---
Barium	ppm	ASTM D5185(m)	5	**0**	<1	---
Molybdenum	ppm	ASTM D5185(m)	5	**0**	<1	---
Manganese	ppm	ASTM D5185(m)		**0**	0	---
Magnesium	ppm	ASTM D5185(m)	5	**0**	0	---
Calcium	ppm	ASTM D5185(m)	5	**2**	3	---
Phosphorus	ppm	ASTM D5185(m)	27500	**35828**	28150	---
Zinc	ppm	ASTM D5185(m)	5	**1**	2	---
Sulfur	ppm	ASTM D5185(m)	2500	**1558**	1633	---
Lithium	ppm	ASTM D5185(m)		**<1**	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	**<1**	1	---
Sodium	ppm	ASTM D5185(m)		**3**	4	---
Potassium	ppm	ASTM D5185(m)	>20	**19**	20	---

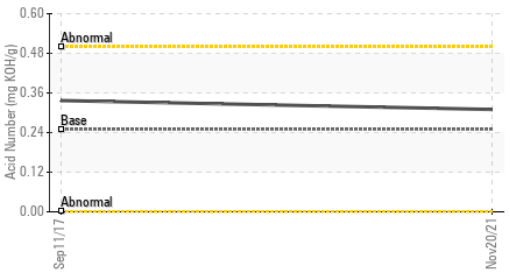
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles 5-15µm	count	NAS 1638	>127999	**7046**	21600	---
Particles 15-25µm	count	NAS 1638	>22799	**514**	1416	---
Particles 25-50µm	count	NAS 1638	>4049	**319**	832	---
Particles 50-100µm	count	NAS 1638	>719	**28**	89	---
Particles >100µm	count	NAS 1638	>127	**0**	15	---
NAS 1638	Class	NAS 1638	>9	**6**	7	---

OIL ANALYSIS REPORT

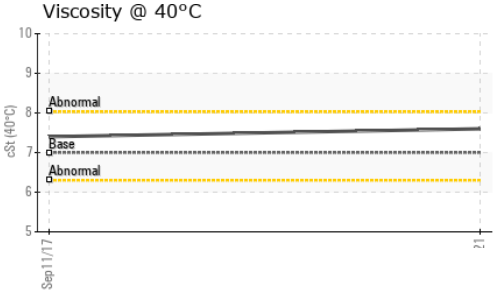
Particle Count



Acid Number



Viscosity @ 40°C

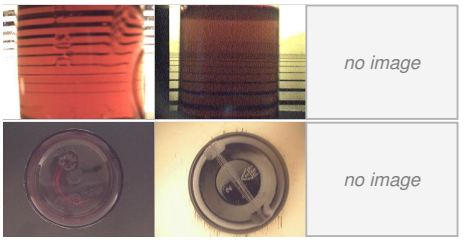


FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.25	**0.31**	0.337	---

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	**NONE**	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*	>0.05	**NEG**	NEG	---
Free Water	scalar	Visual*		**NEG**	NEG	---

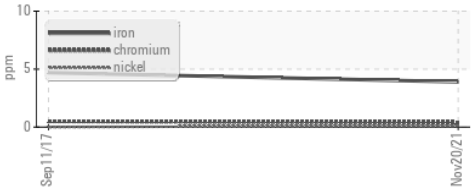
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	7	**7.6**	7.4	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

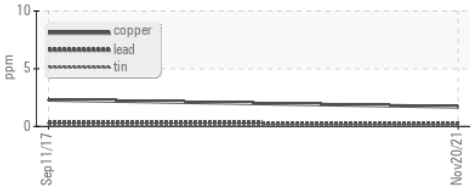


GRAPHS

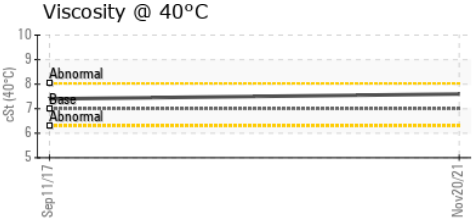
Ferrous Alloys



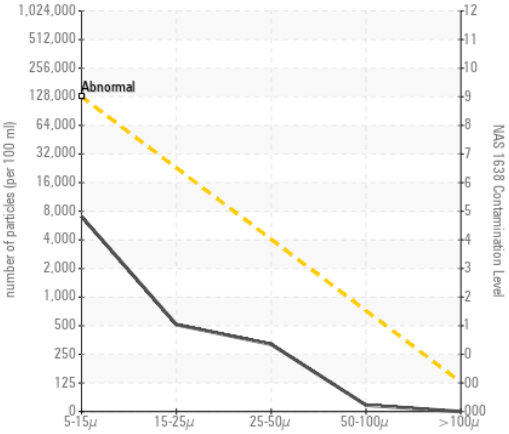
Non-ferrous Metals



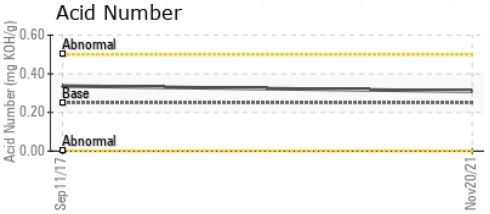
Viscosity @ 40°C



Particle Count



Acid Number



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0618972 **Recieved** : 29 Nov 2021
Lab Number : 02459099 **Diagnosed** : 30 Nov 2021
Unique Number : 5318660 **Diagnostician** : Kevin Marson
Test Package : IND 2 (Additional Tests: 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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