

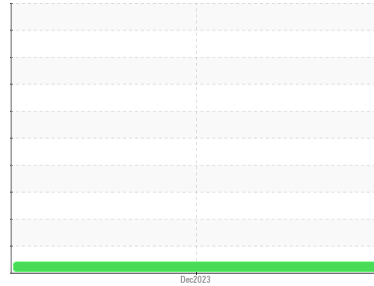


PROBLEM SUMMARY

Sample Rating Trend

VISCOSITY

Area
[1001062752]
 Machine Id
BOEING 737 MAX C-FTXF
 Component
A Hydraulic System
 Fluid
SKYDROL LD-4 (--- GAL)



COMPONENT CONDITION SUMMARY

▲ Viscosity @ 40°C



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	11.42	▲ 6.6	---	---

Customer Id: SUNETO
 Sample No.: WC0881033
 Lab Number: 02601743
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
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 Gloria Gonzalez +1 (289)291-4643 x4643
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RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Information Required	---	---	?	NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

HISTORICAL DIAGNOSIS

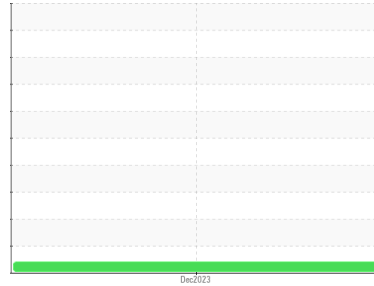


OIL ANALYSIS REPORT

Sample Rating Trend

VISCOSITY

Area
[1001062752]
 Machine Id
BOEING 737 MAX C-FTXF
 Component
A 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 water content is negligible. There is no indication of any contamination in the oil. The system and fluid cleanliness is acceptable.

Fluid Condition

The oil viscosity is lower than typical, possibly indicating the addition of lighter grade oil. 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	WC0881033	---	---
Sample Date	Client Info	06 Dec 2023	---	---
Machine Age	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	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	7	---	---
Tin ppm ASTM D5185(m)	>10	<1	---	---
Antimony ppm ASTM D5185(m)		0	---	---
Vanadium ppm ASTM D5185(m)		0	---	---
Beryllium ppm ASTM D5185(m)		0	---	---
Cadmium ppm ASTM D5185(m)		4	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185(m)	0	1	---	---
Barium ppm ASTM D5185(m)	0	<1	---	---
Molybdenum ppm ASTM D5185(m)	0	0	---	---
Manganese ppm ASTM D5185(m)		0	---	---
Magnesium ppm ASTM D5185(m)	0	<1	---	---
Calcium ppm ASTM D5185(m)	0	3	---	---
Phosphorus ppm ASTM D5185(m)	20000	34653	---	---
Zinc ppm ASTM D5185(m)	0	2	---	---
Sulfur ppm ASTM D5185(m)	1900	1497	---	---
Lithium ppm ASTM D5185(m)		<1	---	---

CONTAMINANTS

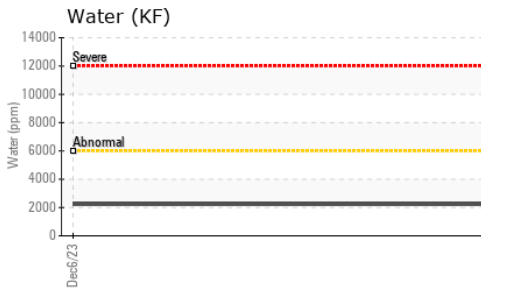
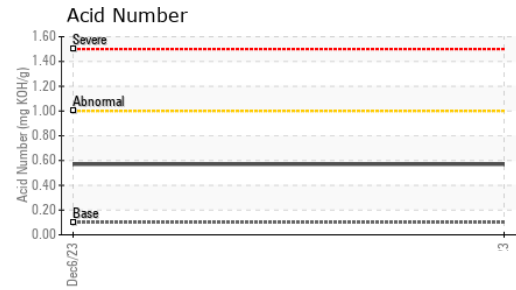
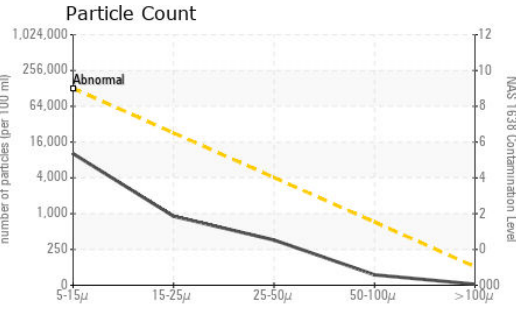
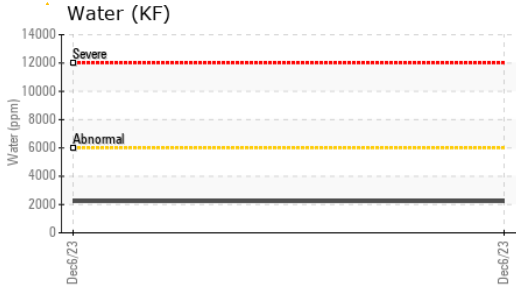
method	limit/base	current	history1	history2
Silicon ppm ASTM D5185(m)	>15	2	---	---
Sodium ppm ASTM D5185(m)		4	---	---
Potassium ppm ASTM D5185(m)	>20	21	---	---
Water % ASTM D6304*	>0.6	0.222	---	---
ppm Water ppm ASTM D6304*	>6000	2230	---	---

FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles 5-15µm count NAS 1638	>128000	10219	---	---
Particles 15-25µm count NAS 1638	>22800	906	---	---
Particles 25-50µm count NAS 1638	>4050	360	---	---
Particles 50-100µm count NAS 1638	>720	73	---	---
Particles >100µm count NAS 1638	>128	7	---	---
NAS 1638 Class NAS 1638	>9	6	---	---



OIL ANALYSIS REPORT

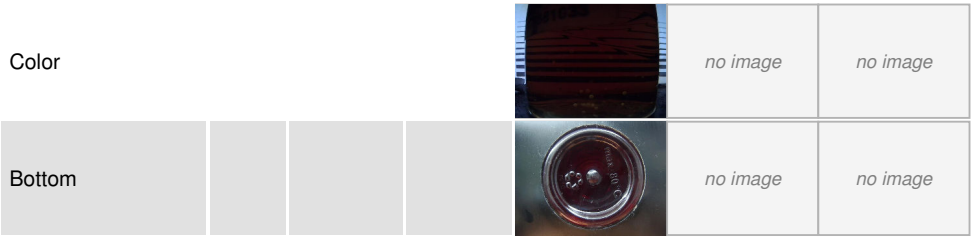


FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.10	0.57	---	---

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*	>0.6	NEG	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	11.42	▲ 6.6	---	---

SAMPLE IMAGES		method	limit/base	current	history1	history2
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GRAPHS

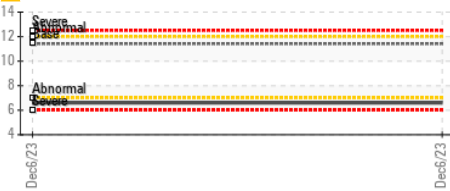
Ferrous Alloys



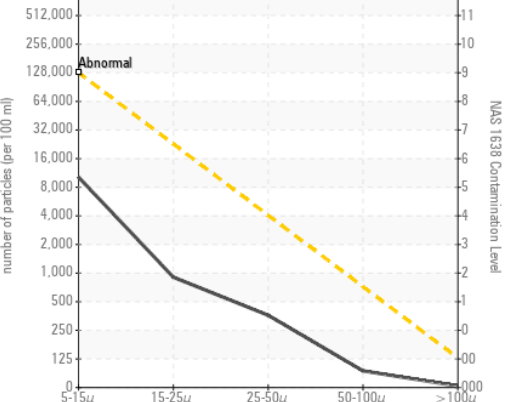
Non-ferrous Metals



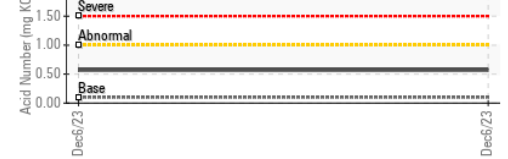
▲ Viscosity @ 40°C



Particle Count



Acid Number



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0881033 **Received** : 07 Dec 2023
Lab Number : **02601743** **Diagnosed** : 11 Dec 2023
Unique Number : 5694828 **Diagnostician** : Kevin Marson
Test Package : IND 2 (Additional Tests: KF, PrtCount, TAN Man)

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