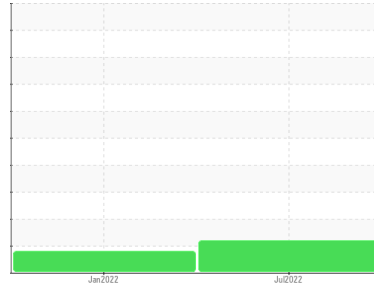




PROBLEM SUMMARY

Sample Rating Trend



VISUAL METAL



Machine Id
2038 RV02
 Component
Gearbox
 Fluid
SUMMIT 1022 (--- GAL)

COMPONENT CONDITION SUMMARY

No relevant graphs to display

RECOMMENDATION

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. We were unable to perform a particle count due to metal particles present in this sample.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	ABNORMAL	---
White Metal	scalar	*Visual	NONE	▲ MODER	LIGHT	---

Customer Id: FLAMONNC
 Sample No.: WC0635718
 Lab Number: 05632355
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter	SKIPPED	Sep 12 2022	?	We recommend you service the filters on this component if applicable.
Alert	---	---	?	We were unable to perform a particle count due to metal particles present in this sample.
Other Action (see Note)	DONE	Sep 12 2022	?	No recommended actions

HISTORICAL DIAGNOSIS

06 Jan 2022 Diag: Wes Davis

ISO



We recommend you service the filters on this component. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. All component wear rates are normal. Particles >4µm are abnormally high. Particles >6µm are notably high. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



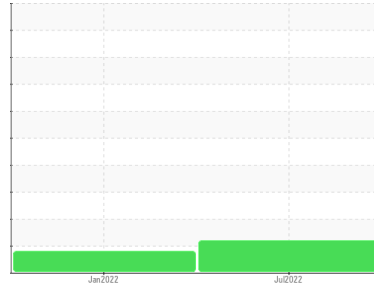


OIL ANALYSIS REPORT

Sample Rating Trend

VISUAL METAL

Machine Id
2038 RV02
Component
Gearbox
Fluid
SUMMIT 1022 (--- GAL)



DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. We were unable to perform a particle count due to metal particles present in this sample.

Wear

Moderate concentration of visible metal present. All component wear rates are normal.

Contamination

No other contaminants were detected in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0635718	WC0635746	---
Sample Date	Client Info		08 Jul 2022	06 Jan 2022	---
Machine Age	Client Info		0	0	---
Oil Age	Client Info		0	0	---
Oil Changed	Client Info		Not Changed	Not Changed	---
Sample Status			ABNORMAL	ABNORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184		13	---	---
Iron	ppm ASTM D5185m	>200	12	10	---
Chromium	ppm ASTM D5185m	>15	<1	0	---
Nickel	ppm ASTM D5185m	>15	0	<1	---
Titanium	ppm ASTM D5185m		0	0	---
Silver	ppm ASTM D5185m		0	0	---
Aluminum	ppm ASTM D5185m	>25	<1	<1	---
Lead	ppm ASTM D5185m	>100	0	0	---
Copper	ppm ASTM D5185m	>200	<1	<1	---
Tin	ppm ASTM D5185m	>25	<1	0	---
Vanadium	ppm ASTM D5185m		0	0	---
Cadmium	ppm ASTM D5185m		0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m		19	33	---
Barium	ppm ASTM D5185m		0	0	---
Molybdenum	ppm ASTM D5185m		<1	<1	---
Manganese	ppm ASTM D5185m		<1	<1	---
Magnesium	ppm ASTM D5185m		0	0	---
Calcium	ppm ASTM D5185m		3	3	---
Phosphorus	ppm ASTM D5185m		418	390	---
Zinc	ppm ASTM D5185m		31	27	---
Sulfur	ppm ASTM D5185m		7423	5966	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	>50	9	9	---
Sodium	ppm ASTM D5185m		0	0	---
Potassium	ppm ASTM D5185m	>20	<1	0	---
Water	% ASTM D6304	>0.2	0.018	---	---
ppm Water	ppm ASTM D6304	>2000	181.2	---	---

FLUID CLEANLINESS

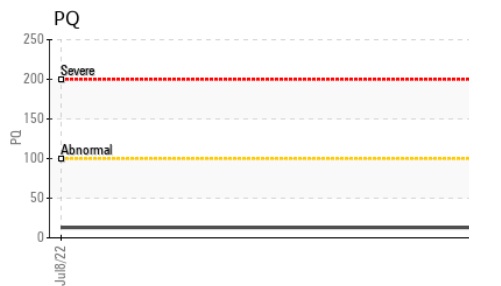
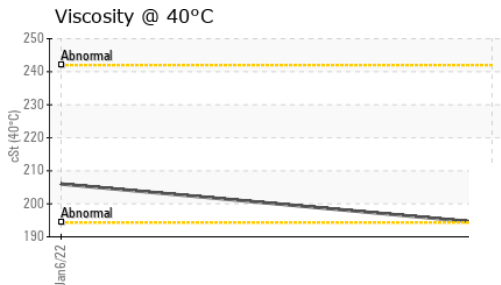
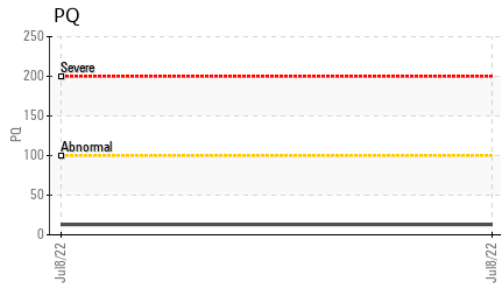
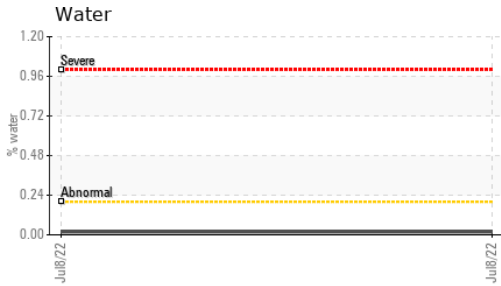
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>20000	---	▲ 53872	---
Particles >6µm	ASTM D7647	>5000	---	▲ 9366	---
Particles >14µm	ASTM D7647	>640	---	172	---
Particles >21µm	ASTM D7647	>160	---	28	---
Particles >38µm	ASTM D7647	>40	---	0	---
Particles >71µm	ASTM D7647	>10	---	0	---
Oil Cleanliness	ISO 4406 (c)	>21/19/16	---	▲ 23/20/15	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045		1.13	1.06	---



OIL ANALYSIS REPORT



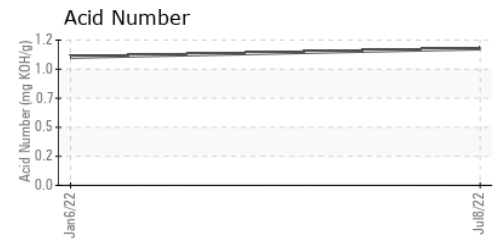
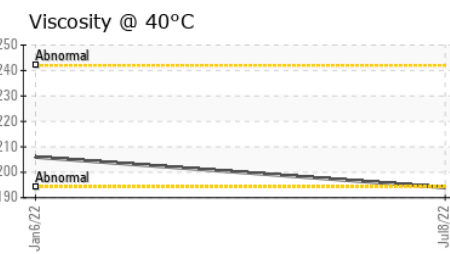
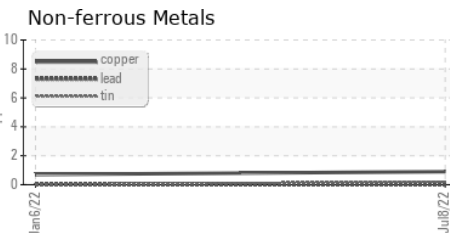
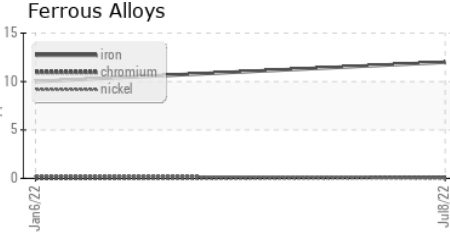
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	▲ MODER	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	194	206	---

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0635718 **Received** : 01 Sep 2022
Lab Number : 05632355 **Diagnosed** : 03 Sep 2022
Unique Number : 10116876 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: KF, PQ, PrtCount)

FLAKEBOARD ARAUCO - MDF
 985 CORINTH RD
 MONCURE, NC
 US

Contact: CHRISTOPHER JACKSON
 christopher.jackson@arauco.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T:
F: