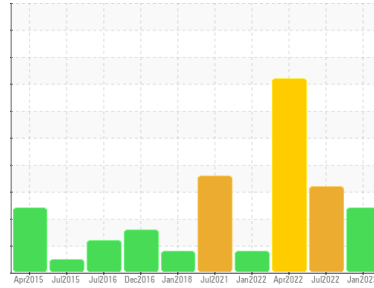




PROBLEM SUMMARY

Area
FIBER PREP
 Machine Id
0410 RV01
 Component
Gearbox
 Fluid
SUMMIT SYNGEAR 1022 (7 LTR)

Sample Rating Trend

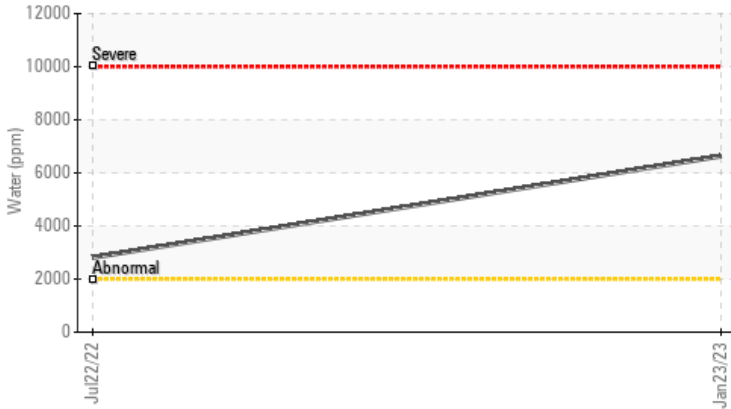


WATER



COMPONENT CONDITION SUMMARY

▲ Water (KF)



RECOMMENDATION

We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition. There is too much water present in this sample to perform a particle count.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	ABNORMAL	SEVERE
Water	%	ASTM D6304	>0.2	▲ 0.663	▲ 0.280	NEG
ppm Water	ppm	ASTM D6304	>2000	▲ 6630	▲ 2806.8	---
Appearance	scalar	*Visual	NORML	▲ MILKY	NORML	▲ MILKY
Emulsified Water	scalar	*Visual	>0.2	▲ 0.2%	NEG	NEG

Customer Id: FLAMONNC
 Sample No.: WC0764195
 Lab Number: 05758223
 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
Water Drain-off	---	---	?	We advise that you follow the water drain-off procedure for this component.
Resample	---	---	?	We recommend an early resample to monitor this condition.
Check Water Access	---	---	?	We advise that you check for the source of water entry.

HISTORICAL DIAGNOSIS

22 Jul 2022 Diag: Doug Bogart

WATER



We recommend you service the filters on this component if applicable. We were unable to perform a particle count due to a high concentration of particles present in this sample. Moderate concentration of visible metal present. All component wear rates are normal. Light concentration of visible dirt/debris present in the oil. There is a light concentration of water present in the oil. The AN level is acceptable for this fluid.

view report



01 Apr 2022 Diag: Don Baldrige

WEAR



We recommend you service the filters on this component if applicable. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample. The iron level is severe. Gear wear is indicated. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

view report



21 Jan 2022 Diag: Wes Davis

ISO



We recommend you service the filters on this component. We recommend an early resample to monitor this condition. All component wear rates are normal. Particles >4µm are abnormally high. Particles >6µm are abnormally high. The system cleanliness is above the acceptable limit for the target ISO 4406 cleanliness code. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

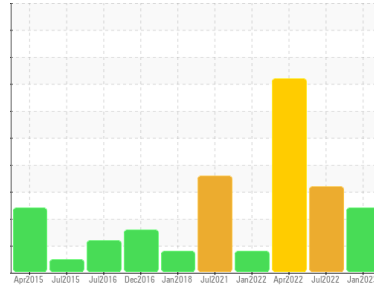
view report





OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Area
FIBER PREP
 Machine Id
0410 RV01
 Component
Gearbox
 Fluid
SUMMIT SYNGEAR 1022 (7 LTR)

DIAGNOSIS

Recommendation

We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition. There is too much water present in this sample to perform a particle count.

Wear

All component wear rates are normal.

Contamination

Appearance is milky. There is a moderate concentration of water present in the oil.

Fluid Condition

The AN level is acceptable for this fluid.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0764195	WC0635753	WC0635805
Sample Date	Client Info		23 Jan 2023	22 Jul 2022	01 Apr 2022
Machine Age	hrs	Client Info	0	0	0
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	Not Changd
Sample Status			ABNORMAL	ABNORMAL	SEVERE

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184		17	47	---
Iron	ppm	ASTM D5185m >200	34	73	910
Chromium	ppm	ASTM D5185m >15	0	<1	7
Nickel	ppm	ASTM D5185m >15	0	0	<1
Titanium	ppm	ASTM D5185m	0	0	<1
Silver	ppm	ASTM D5185m	0	<1	<1
Aluminum	ppm	ASTM D5185m >25	0	<1	2
Lead	ppm	ASTM D5185m >100	0	0	0
Copper	ppm	ASTM D5185m >200	<1	<1	2
Tin	ppm	ASTM D5185m >25	<1	<1	<1
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	<1	<1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	19	119	50
Barium	ppm	ASTM D5185m	2	0	0
Molybdenum	ppm	ASTM D5185m	<1	0	<1
Manganese	ppm	ASTM D5185m	1	<1	6
Magnesium	ppm	ASTM D5185m	1	0	0
Calcium	ppm	ASTM D5185m	8	<1	4
Phosphorus	ppm	ASTM D5185m	345	512	379
Zinc	ppm	ASTM D5185m	77	10	18
Sulfur	ppm	ASTM D5185m	12846	9131	10241

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	6	5	15
Sodium	ppm	ASTM D5185m	3	0	1
Potassium	ppm	ASTM D5185m >20	4	<1	0
Water	%	ASTM D6304 >0.2	▲ 0.663	▲ 0.280	NEG
ppm Water	ppm	ASTM D6304 >2000	▲ 6630	▲ 2806.8	---

FLUID CLEANLINESS

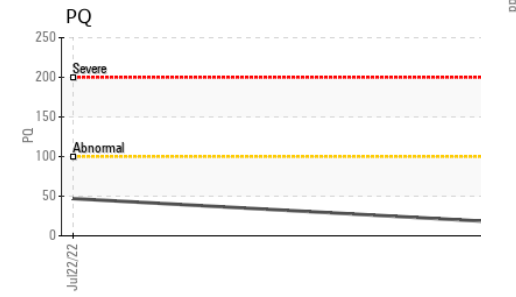
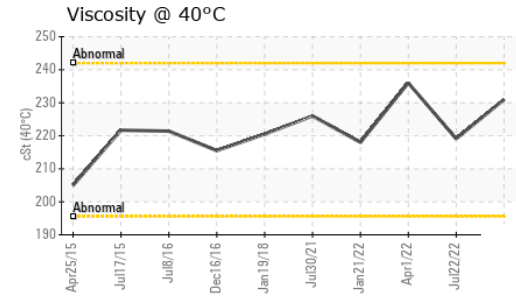
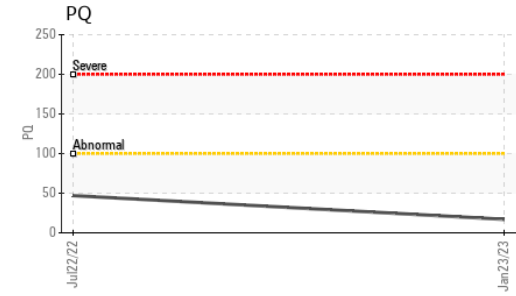
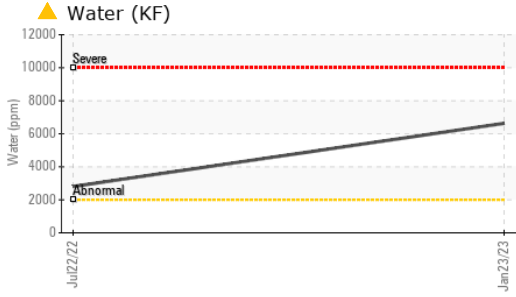
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>20000	---	---	---
Particles >6µm	ASTM D7647	>5000	---	---	---
Particles >14µm	ASTM D7647	>640	---	---	---
Particles >21µm	ASTM D7647	>160	---	---	---
Particles >38µm	ASTM D7647	>40	---	---	---
Particles >71µm	ASTM D7647	>10	---	---	---
Oil Cleanliness	ISO 4406 (c)	>21/19/16	---	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.90	0.54



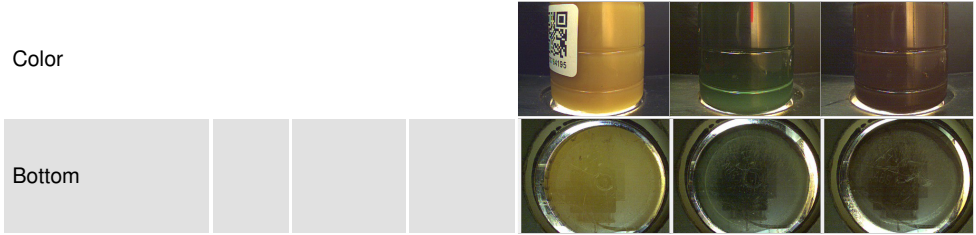
OIL ANALYSIS REPORT



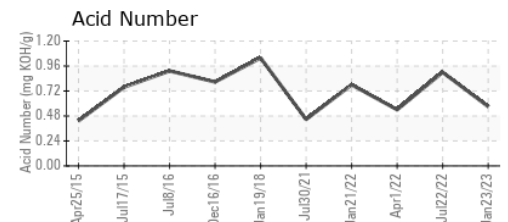
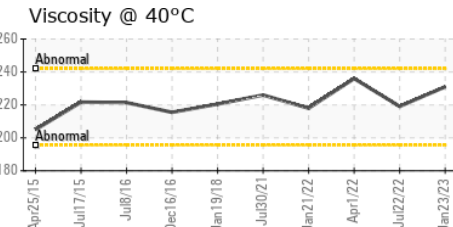
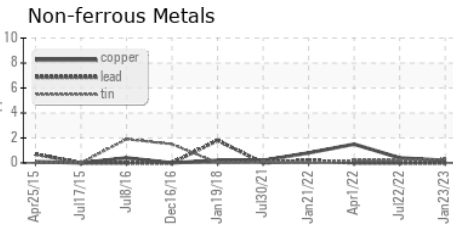
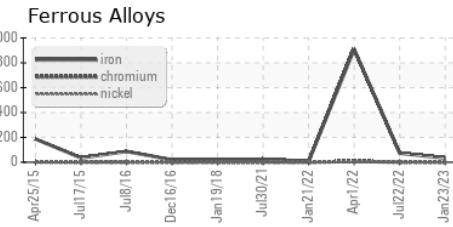
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	▲ MODER	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	▲ LIGHT	▲ MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	231	219.1	236

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0764195 **Received** : 03 Feb 2023
Lab Number : 05758223 **Diagnosed** : 06 Feb 2023
Unique Number : 10322830 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: KF, PQ, PrtCount)

ARAUCO FLAKEBOARD - 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)