



PROBLEM SUMMARY

Sample Rating Trend

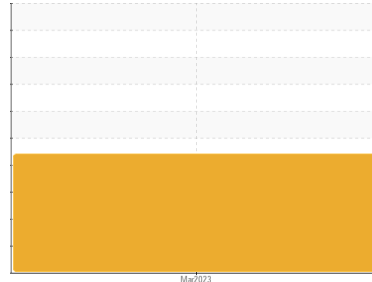
WEAR



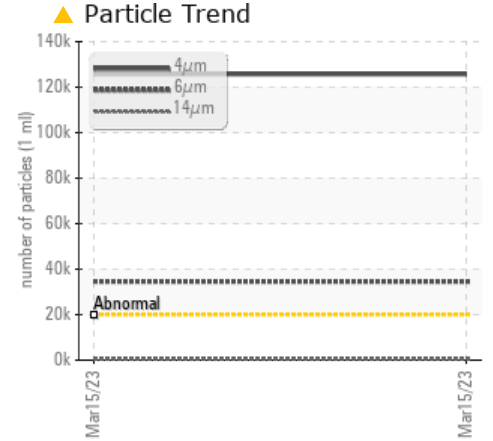
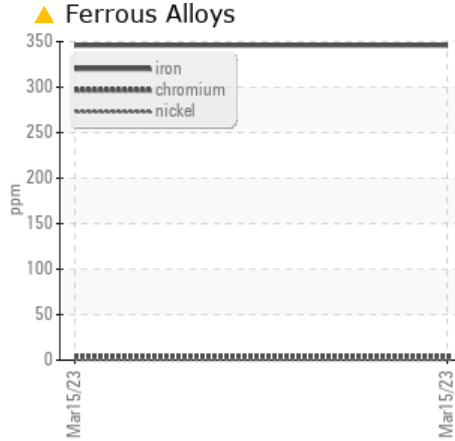
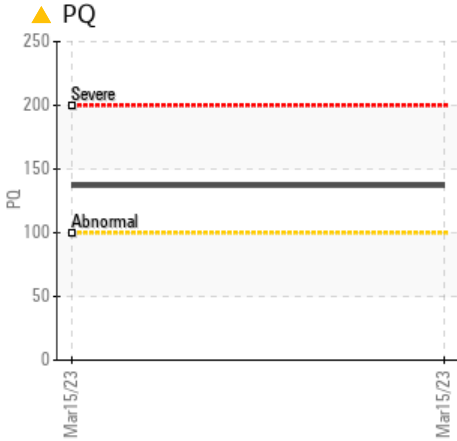
Machine Id
0136SC02

Component
Gearbox

Fluid
SUMMIT SH 7150 (150) (1 GAL)



COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status	ASTM	Value	ABNORMAL	---	---
PQ	ASTM D8184		▲ 137	---	---
Iron	ppm ASTM D5185m	>200	▲ 346	---	---
Particles >4µm	ASTM D7647	>20000	▲ 125727	---	---
Particles >6µm	ASTM D7647	>5000	▲ 34545	---	---
Particles >14µm	ASTM D7647	>320	▲ 393	---	---
Oil Cleanliness	ISO 4406 (c)	>21/19/15	▲ 24/22/16	---	---

Customer Id: FLAMONNC
Sample No.: WC0761375
Lab Number: 05797350
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
Angela Borella +1 800-237-1369
angela.borella@wearcheckusa.com

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

RECOMMENDED ACTIONS

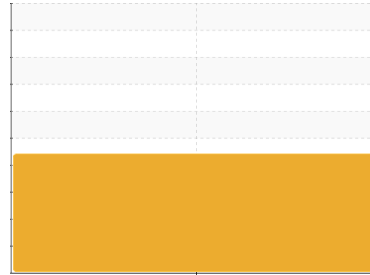
Action	Status	Date	Done By	Description
Change Filter	---	---	?	We recommend you service the filters on this component if applicable.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
0136SC02

Component

Gearbox

Fluid

SUMMIT SH 7150 (150) (1 GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

Wear

The iron level is abnormal. All other component wear rates are normal.

Contamination

There is a high amount of particulates present 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	WC0761375	---	---
Sample Date	Client Info	15 Mar 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
PQ	ASTM D8184	▲ 137	---	---
Iron	ppm	ASTM D5185m >200	▲ 346	---
Chromium	ppm	ASTM D5185m >15	4	---
Nickel	ppm	ASTM D5185m >15	<1	---
Titanium	ppm	ASTM D5185m	0	---
Silver	ppm	ASTM D5185m	0	---
Aluminum	ppm	ASTM D5185m >25	2	---
Lead	ppm	ASTM D5185m >100	0	---
Copper	ppm	ASTM D5185m >200	<1	---
Tin	ppm	ASTM D5185m >25	0	---
Vanadium	ppm	ASTM D5185m	0	---
Cadmium	ppm	ASTM D5185m	0	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	---
Barium	ppm	ASTM D5185m	0	---
Molybdenum	ppm	ASTM D5185m	<1	---
Manganese	ppm	ASTM D5185m	2	---
Magnesium	ppm	ASTM D5185m	<1	---
Calcium	ppm	ASTM D5185m	7	---
Phosphorus	ppm	ASTM D5185m	669	---
Zinc	ppm	ASTM D5185m	55	---
Sulfur	ppm	ASTM D5185m	926	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	4	---
Sodium	ppm	ASTM D5185m	0	---
Potassium	ppm	ASTM D5185m >20	1	---
Water	%	ASTM D6304 >0.2	0.013	---
ppm Water	ppm	ASTM D6304 >2000	132.8	---

FLUID CLEANLINESS

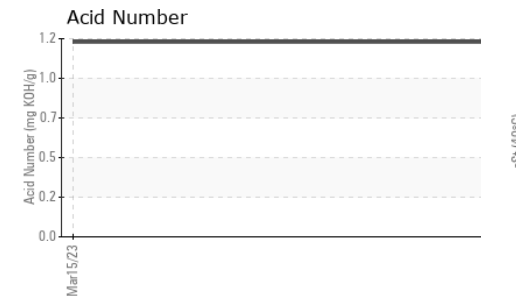
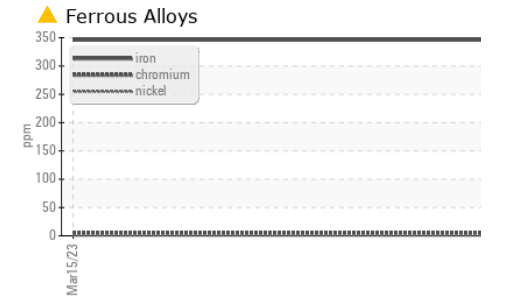
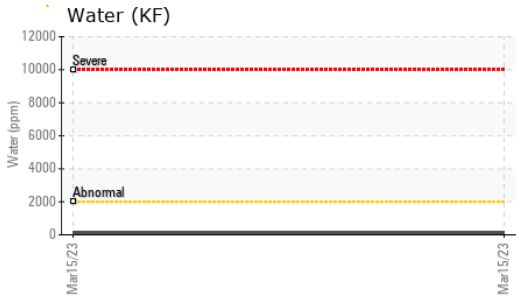
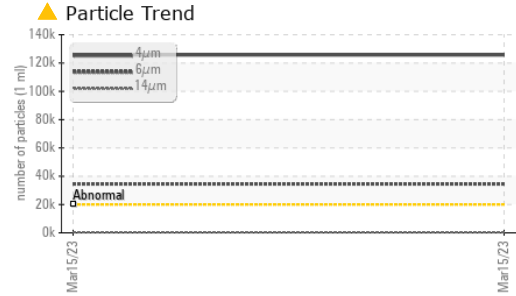
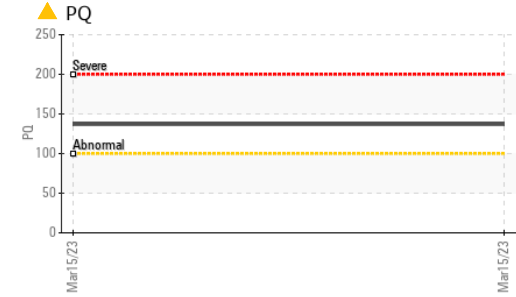
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >20000	▲ 125727	---	---
Particles >6µm	ASTM D7647 >5000	▲ 34545	---	---
Particles >14µm	ASTM D7647 >320	▲ 393	---	---
Particles >21µm	ASTM D7647 >80	47	---	---
Particles >38µm	ASTM D7647 >20	1	---	---
Particles >71µm	ASTM D7647 >4	0	---	---
Oil Cleanliness	ISO 4406 (c) >21/19/15	▲ 24/22/16	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.18	---



OIL ANALYSIS REPORT

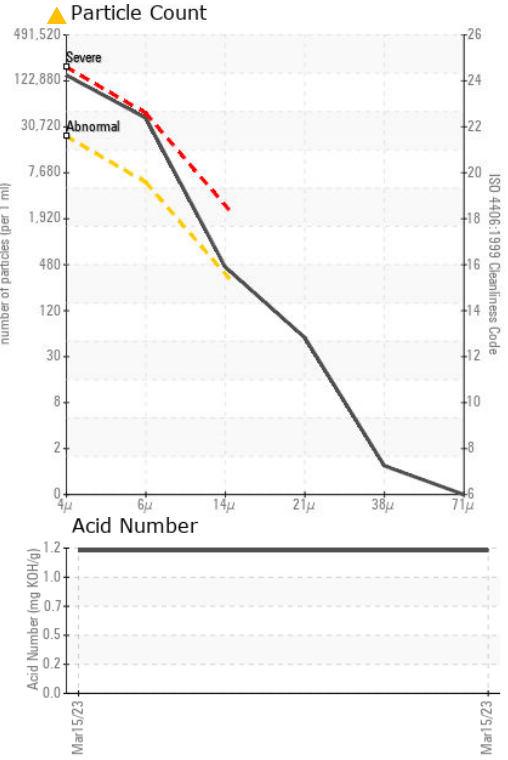
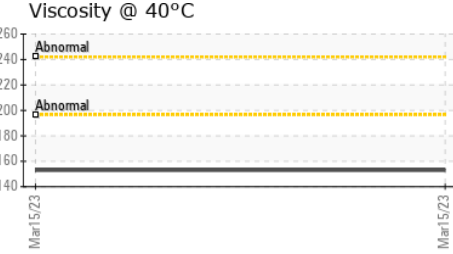
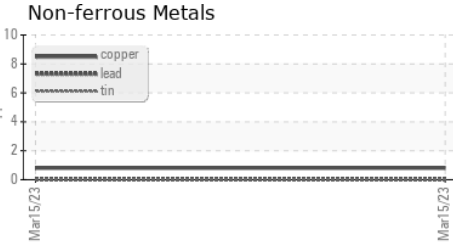
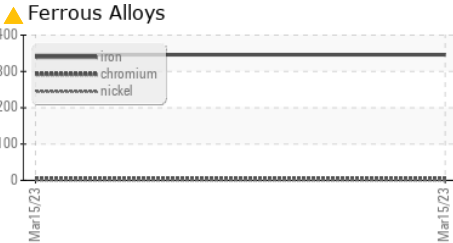


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	153	---	---

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0761375 **Received** : 21 Mar 2023
Lab Number : 05797350 **Diagnosed** : 23 Mar 2023
Unique Number : 10387034 **Diagnostician** : Angela Borella
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)