

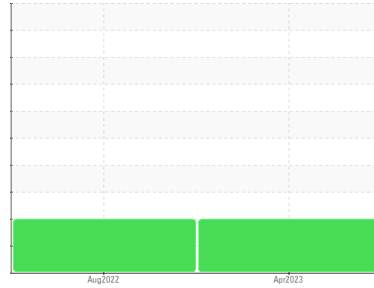


OIL ANALYSIS REPORT

Sample Rating Trend

DEGRADATION

Area
Building 13
 Machine Id
Conveyor 17
 Component
Drive End Conveyor Gearbox
 Fluid
293A (16 GAL)



DIAGNOSIS

▲ Recommendation

The oil is near the end of its useful service life, recommend schedule an oil change. Resample at the next service interval to monitor.

▲ Wear

The iron level is abnormal.

Contamination

There is no indication of any contamination in the oil.

▲ Fluid Condition

The AN level is above the recommended limit. The oil is no longer serviceable.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0782539	WC0694585	---
Sample Date	Client Info		02 Apr 2023	21 Aug 2022	---
Machine Age	Client Info		0	0	---
Oil Age	Client Info		0	0	---
Oil Changed	Client Info		N/A	N/A	---
Sample Status			ABNORMAL	ABNORMAL	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m	>200	▲ 204	▲ 233	---
Chromium	ppm ASTM D5185m	>15	1	1	---
Nickel	ppm ASTM D5185m	>15	2	1	---
Titanium	ppm ASTM D5185m		<1	<1	---
Silver	ppm ASTM D5185m		0	0	---
Aluminum	ppm ASTM D5185m	>25	5	6	---
Lead	ppm ASTM D5185m	>100	0	<1	---
Copper	ppm ASTM D5185m	>200	31	11	---
Tin	ppm ASTM D5185m	>25	3	1	---
Vanadium	ppm ASTM D5185m		0	0	---
Cadmium	ppm ASTM D5185m		0	<1	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m		149	148	---
Barium	ppm ASTM D5185m		0	4	---
Molybdenum	ppm ASTM D5185m		340	346	---
Manganese	ppm ASTM D5185m		2	3	---
Magnesium	ppm ASTM D5185m		15	9	---
Calcium	ppm ASTM D5185m		20	24	---
Phosphorus	ppm ASTM D5185m		1048	1159	---
Zinc	ppm ASTM D5185m		18	23	---
Sulfur	ppm ASTM D5185m		27392	24864	---

CONTAMINANTS

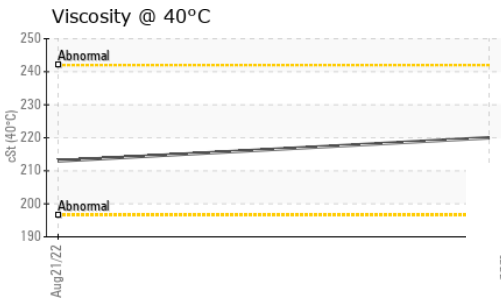
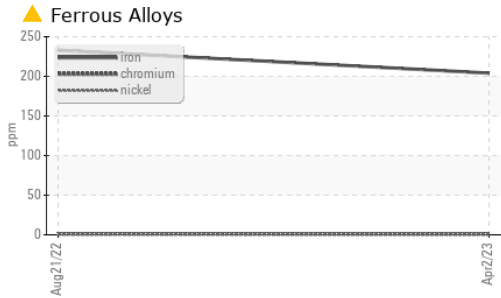
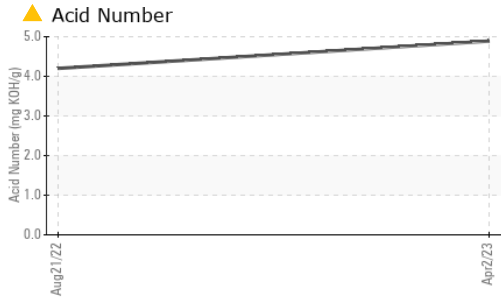
	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	>50	15	15	---
Sodium	ppm ASTM D5185m		4	4	---
Potassium	ppm ASTM D5185m	>20	1	1	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045		▲ 4.89	▲ 4.20	---



OIL ANALYSIS REPORT



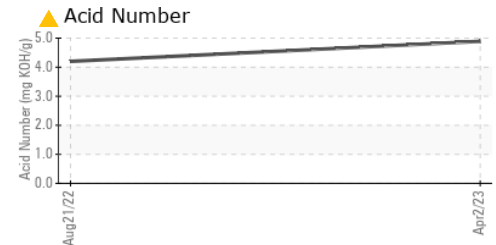
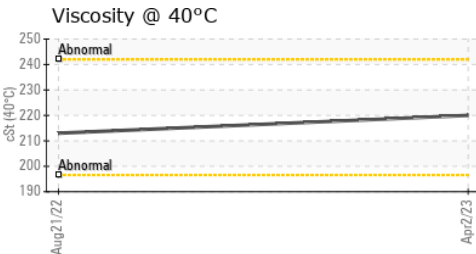
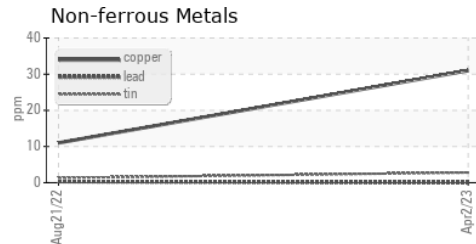
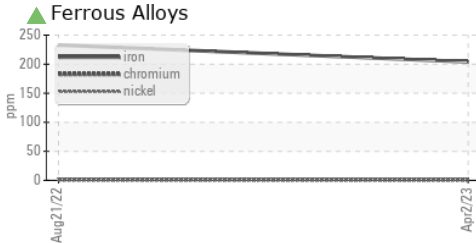
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*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	220	213	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0782539 **Received** : 04 Apr 2023
Lab Number : 05810527 **Diagnosed** : 07 Apr 2023
Unique Number : 10413319 **Diagnostician** : Doug Bogart
Test Package : IND 2

3M - PITTSBORO
 4191 NC 87 S
 MONCURE, NC
 US 27559
 Contact: CHARLES JARRELL
 cjarrell@mmm.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: