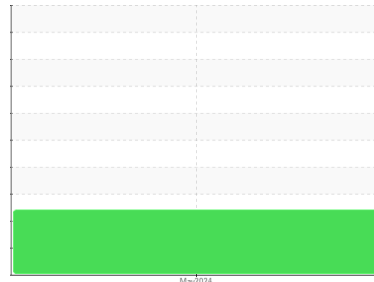




# OIL ANALYSIS REPORT

Sample Rating Trend



DIRT



Area  
**C&S**  
 Machine Id  
**Elevator 3**  
 Component  
**Drive End Gearbox**  
 Fluid  
**SCHAEFFER 293A SUPREME GEAR LUBE NO TACK 220 (--- GAL)**

## DIAGNOSIS

### Recommendation

We advise that you check all areas where dirt can enter the system. Inspect/change desiccant breather if applicable. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

### Fluid Condition

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			<b>WC0936836</b>	---	---
Sample Date	Client Info			<b>09 May 2024</b>	---	---
Machine Age	hrs	Client Info		<b>0</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed	Client Info			<b>Not Changed</b>	---	---
Sample Status				<b>ABNORMAL</b>	---	---

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

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	<b>131</b>	---	---
Chromium	ppm	ASTM D5185m	>15	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185m	>15	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>25	<b>8</b>	---	---
Lead	ppm	ASTM D5185m	>100	<b>2</b>	---	---
Copper	ppm	ASTM D5185m	>200	<b>1</b>	---	---
Tin	ppm	ASTM D5185m	>25	<b>4</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---

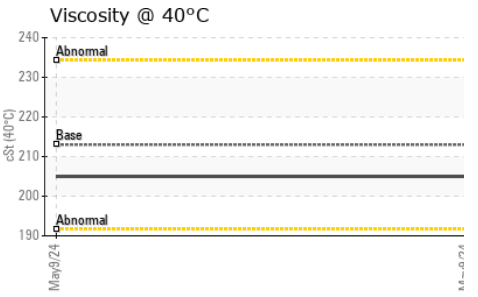
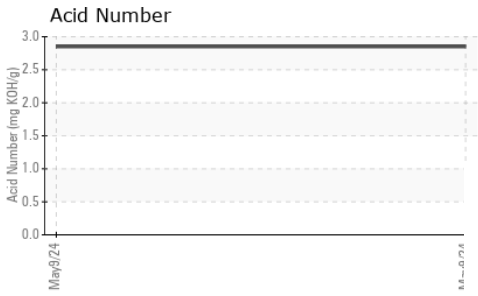
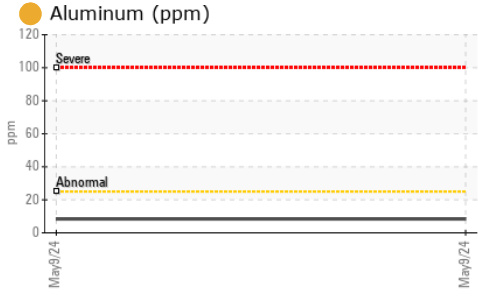
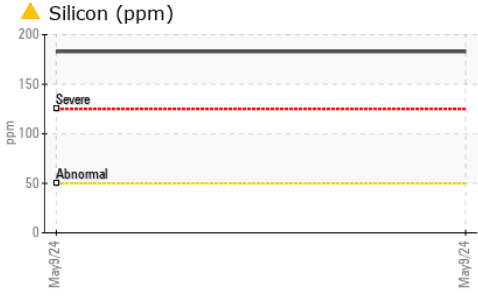
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>106</b>	---	---
Barium	ppm	ASTM D5185m		<b>16</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>578</b>	---	---
Manganese	ppm	ASTM D5185m		<b>2</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>5</b>	---	---
Calcium	ppm	ASTM D5185m		<b>33</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>1693</b>	---	---
Zinc	ppm	ASTM D5185m		<b>63</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>39482</b>	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<b>▲ 183</b>	---	---
Sodium	ppm	ASTM D5185m		<b>6</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>2.85</b>	---	---



# OIL ANALYSIS REPORT



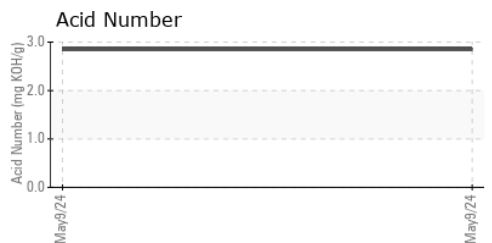
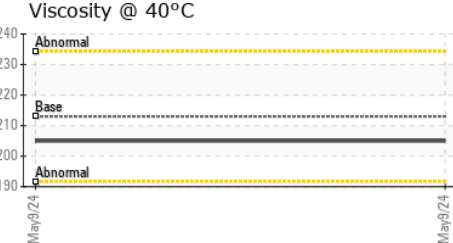
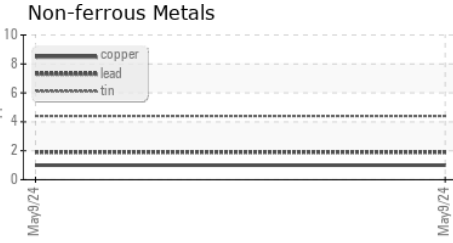
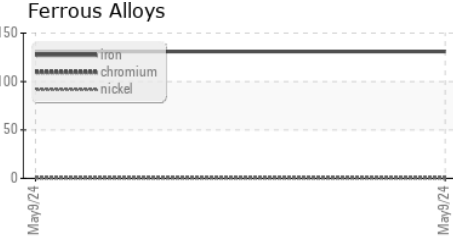
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
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 213	205	---	---

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

## GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : WC0936836

Lab Number : 06177804

Unique Number : 11029130

Test Package : IND 2

Received : 13 May 2024

Tested : 14 May 2024

Diagnosed : 15 May 2024 - Angela Borella

3M - PITTSBORO

4191 NC 87 S

MONCURE, NC

US 27559

Contact: CHARLES JARRELL

cjarrell@mmm.com

T:

F:

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)