



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**31264**  
 Component  
**Swing Drive**  
 Fluid  
**GEAR OIL SAE 80W90 (--- QTS)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0950772</b>	WC0905384	---
Sample Date		Client Info		<b>17 Jun 2024</b>	21 Feb 2024	---
Machine Age	hrs	Client Info		<b>1232</b>	689	---
Oil Age	hrs	Client Info		<b>1000</b>	250	---
Filter Age	hrs	Client Info		<b>1000</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>Changed</b>	N/A	---
Sample Status				<b>NORMAL</b>	ABNORMAL	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>400	<b>207</b>	▲ 861	---
Chromium	ppm	ASTM D5185m	>10	<b>3</b>	▲ 13	---
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>3</b>	<1	---
Lead	ppm	ASTM D5185m	>50	<b>&lt;1</b>	1	---
Copper	ppm	ASTM D5185m	>200	<b>&lt;1</b>	<1	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

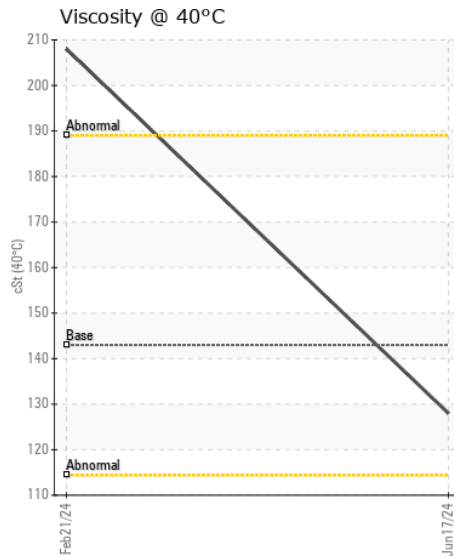
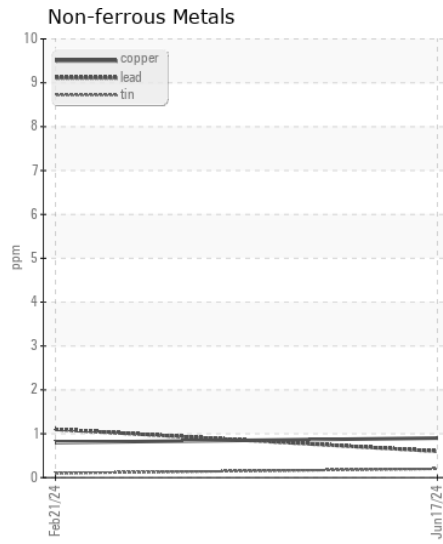
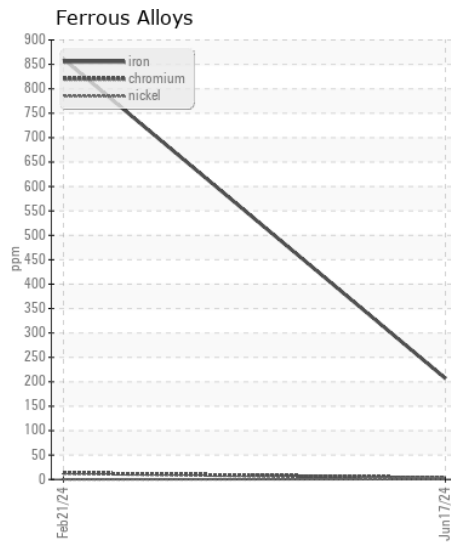
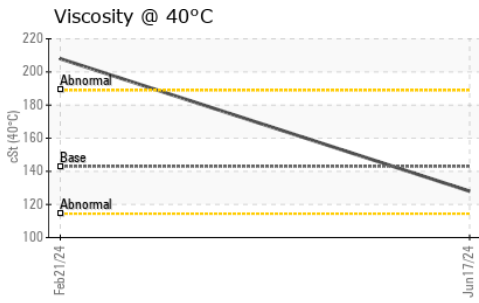
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>2</b>	9	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	---

## FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>170	<b>&lt;1</b>	4	---
Boron	ppm	ASTM D5185m	400	<b>122</b>	1	---
Barium	ppm	ASTM D5185m	200	<b>2</b>	9	---
Molybdenum	ppm	ASTM D5185m	12	<b>15</b>	0	---
Manganese	ppm	ASTM D5185m		<b>2</b>	10	---
Magnesium	ppm	ASTM D5185m	12	<b>61</b>	0	---
Calcium	ppm	ASTM D5185m	150	<b>133</b>	8	---
Phosphorus	ppm	ASTM D5185m	1650	<b>1419</b>	1476	---
Zinc	ppm	ASTM D5185m	125	<b>120</b>	10	---
Sulfur	ppm	ASTM D5185m	22500	<b>19526</b>	24456	---
Visc @ 40°C	cSt	ASTM D445	143	<b>128</b>	208	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0950772  
**Lab Number** : 06215028  
**Unique Number** : 11087892  
**Test Package** : CONST

**Received** : 19 Jun 2024  
**Tested** : 25 Jun 2024  
**Diagnosed** : 25 Jun 2024 - Sean Felton

**SULLIVAN EASTERN INC**  
 2860 C SLATER RD  
 MORRISVILLE, NC  
 US 27560

Contact: SCOTT SULLIVAN  
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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)

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