



# OIL ANALYSIS REPORT

WEAR  
CONTAMINATION  
FLUID CONDITION

**ATTENTION**  
**NORMAL**  
**NORMAL**

Machine Id  
**31262**  
Component  
**Swing Drive**  
Fluid  
**GEAR OIL SAE 80W90 (--- QTS)**

## RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

## WEAR

An increase in the iron level is noted. All other component wear rates are normal.

## CONTAMINATION

There is no indication of any contamination in the oil.

## FLUID CONDITION

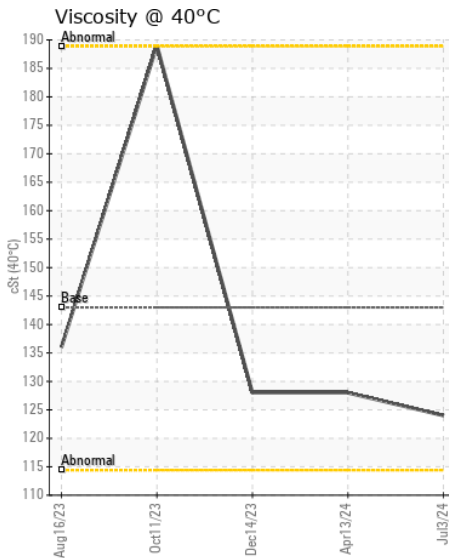
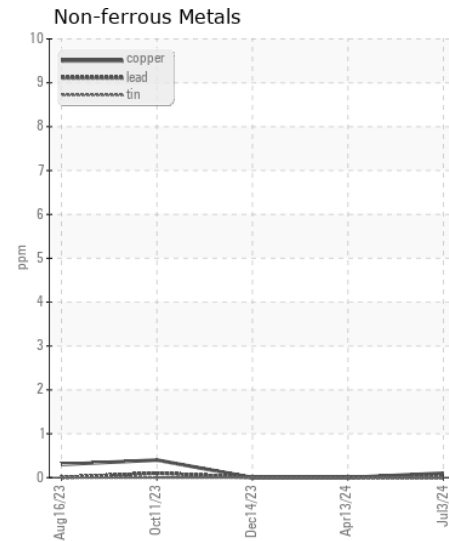
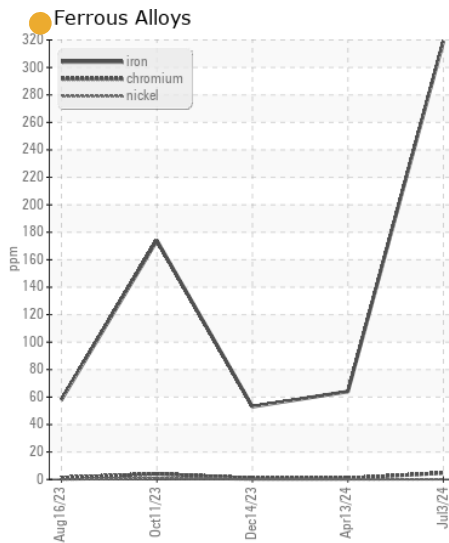
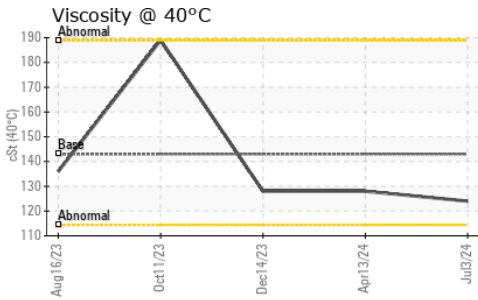
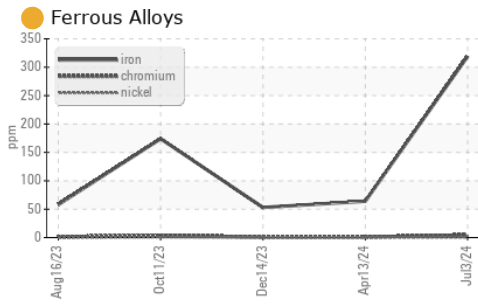
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0882810</b>	WC0924571	WC0857108
Sample Date		Client Info		<b>03 Jul 2024</b>	13 Apr 2024	14 Dec 2023
Machine Age	hrs	Client Info		<b>1141</b>	827	579
Oil Age	hrs	Client Info		<b>1250</b>	250	230
Filter Age	hrs	Client Info		<b>1250</b>	250	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Not Changd
Filter Changed		Client Info		<b>Changed</b>	Changed	N/A
Sample Status				<b>ATTENTION</b>	NORMAL	NORMAL

Iron	ppm	ASTM D5185m	>400	<b>319</b>	64	53
Chromium	ppm	ASTM D5185m	>10	<b>5</b>	<1	<1
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>6</b>	1	0
Lead	ppm	ASTM D5185m	>50	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>200	<b>&lt;1</b>	0	0
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

Silicon	ppm	ASTM D5185m	>50	<b>28</b>	1	2
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG

Sodium	ppm	ASTM D5185m	>170	<b>4</b>	0	0
Boron	ppm	ASTM D5185m	400	<b>133</b>	111	121
Barium	ppm	ASTM D5185m	200	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185m	12	<b>6</b>	6	5
Manganese	ppm	ASTM D5185m		<b>4</b>	0	<1
Magnesium	ppm	ASTM D5185m	12	<b>15</b>	19	17
Calcium	ppm	ASTM D5185m	150	<b>82</b>	88	76
Phosphorus	ppm	ASTM D5185m	1650	<b>1940</b>	2082	1839
Zinc	ppm	ASTM D5185m	125	<b>70</b>	75	63
Sulfur	ppm	ASTM D5185m	22500	<b>20582</b>	19217	20042
Visc @ 40°C	cSt	ASTM D445	143	<b>124</b>	128	128



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0882810  
**Lab Number** : 06233626  
**Unique Number** : 11117119  
**Test Package** : CONST  
**Received** : 11 Jul 2024  
**Tested** : 12 Jul 2024  
**Diagnosed** : 13 Jul 2024 - Don Baldrige

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

Contact: SCOTT SULLIVAN  
 ssullivan@sullivan-eastern.com  
 T: (919)484-8993  
 F: (919)484-2136

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)