



# OIL ANALYSIS REPORT

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

Machine Id  
**GM 13434**

Component  
**Gearbox**

Fluid  
**GEAR OIL SAE 75W90 (--- 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

Gear wear is indicated. All other component wear rates are normal for time on oil.

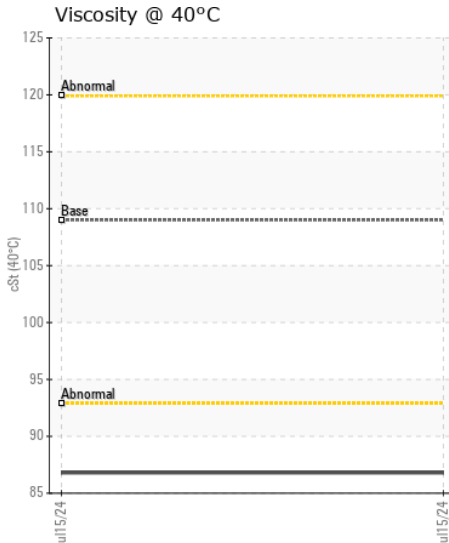
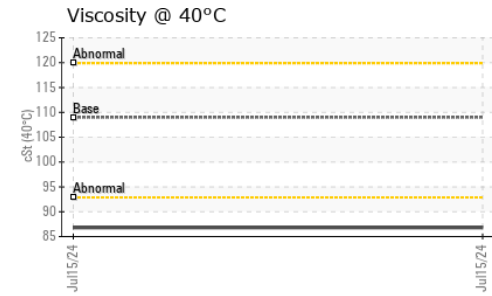
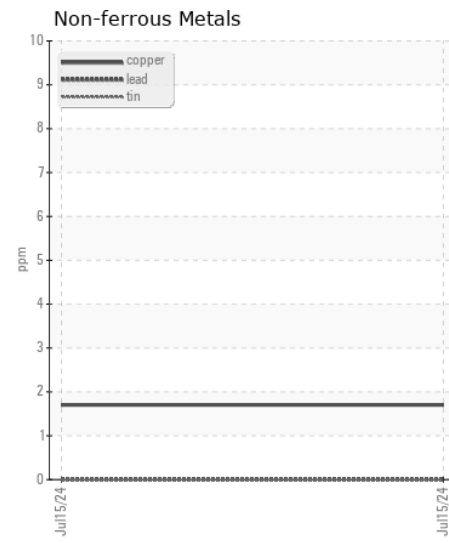
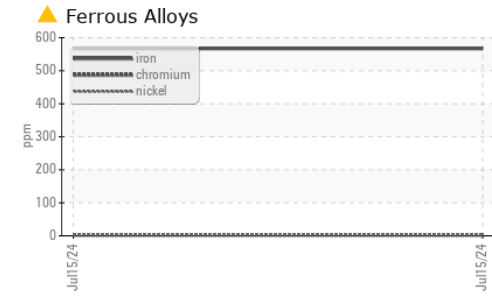
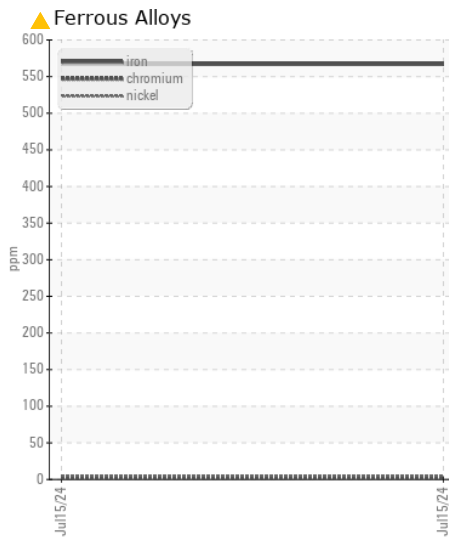
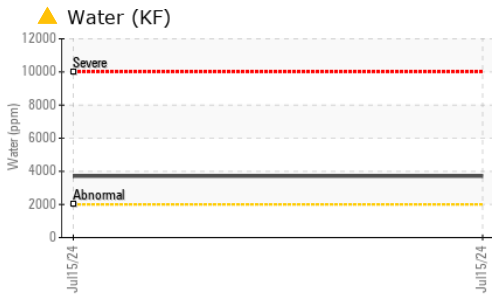
## CONTAMINATION

There is a light concentration of water present 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>WC0950564</b>	---	---
Sample Date		Client Info		<b>15 Jul 2024</b>	---	---
Machine Age	mls	Client Info		<b>234025</b>	---	---
Oil Age	mls	Client Info		<b>234025</b>	---	---
Filter Age	mls	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>Changed</b>	---	---
Filter Changed		Client Info		<b>Changed</b>	---	---
Sample Status				<b>ABNORMAL</b>	---	---
Iron	ppm	ASTM D5185m	>200	<b>▲ 567</b>	---	---
Chromium	ppm	ASTM D5185m	>10	<b>2</b>	---	---
Nickel	ppm	ASTM D5185m	>10	<b>5</b>	---	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	---	---
Lead	ppm	ASTM D5185m	>50	<b>0</b>	---	---
Copper	ppm	ASTM D5185m	>200	<b>2</b>	---	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Silicon	ppm	ASTM D5185m	>50	<b>19</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	---	---
Water	%	ASTM D6304	>0.2	<b>▲ 0.371</b>	---	---
ppm Water	ppm	ASTM D6304	>2000	<b>▲ 3710</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual	>0.2	<b>0.2%</b>	---	---
Sodium	ppm	ASTM D5185m		<b>1</b>	---	---
Boron	ppm	ASTM D5185m	400	<b>63</b>	---	---
Barium	ppm	ASTM D5185m	200	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m	12	<b>1</b>	---	---
Manganese	ppm	ASTM D5185m		<b>9</b>	---	---
Magnesium	ppm	ASTM D5185m	12	<b>3</b>	---	---
Calcium	ppm	ASTM D5185m	150	<b>0</b>	---	---
Phosphorus	ppm	ASTM D5185m	1650	<b>591</b>	---	---
Zinc	ppm	ASTM D5185m	125	<b>14</b>	---	---
Sulfur	ppm	ASTM D5185m	22500	<b>16303</b>	---	---
Visc @ 40°C	cSt	ASTM D445	109	<b>86.8</b>	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0950564 **Received** : 18 Jul 2024  
**Lab Number** : 06240740 **Tested** : 19 Jul 2024  
**Unique Number** : 11129574 **Diagnosed** : 20 Jul 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: KF )

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

Contact: SCOTT SULLIVAN  
 ssullivan@sullivan-eastern.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)

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