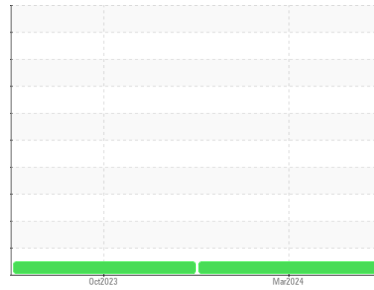




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area

**OKLAHOMA/102/EG - OTHER SERVICE**

Machine Id

**54.27L [OKLAHOMA^102^EG - OTHER SERVICE]**

Component

**Left Final Drive**

Fluid

**GEAR OIL LS 80W90 (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL LS 80W90. Please confirm.

### Wear

All 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.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>WC0901188</b>	WC0833825	---
Sample Date	Client Info			<b>28 Mar 2024</b>	23 Oct 2023	---
Machine Age	hrs	Client Info		<b>0</b>	652	---
Oil Age	hrs	Client Info		<b>0</b>	652	---
Oil Changed	Client Info			<b>Not Changed</b>	Not Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

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

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	<b>206</b>	358	---
Chromium	ppm	ASTM D5185m	>10	<b>3</b>	7	---
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>1</b>	2	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	4	---
Lead	ppm	ASTM D5185m	>25	<b>1</b>	<1	---
Copper	ppm	ASTM D5185m	>50	<b>3</b>	4	---
Tin	ppm	ASTM D5185m	>10	<b>1</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---

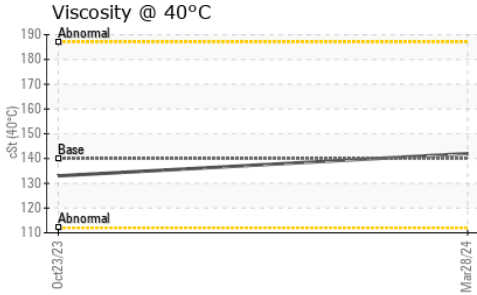
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	150	<b>0</b>	0	---
Barium	ppm	ASTM D5185m		<b>0</b>	1	---
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Manganese	ppm	ASTM D5185m		<b>7</b>	9	---
Magnesium	ppm	ASTM D5185m	10	<b>2</b>	16	---
Calcium	ppm	ASTM D5185m	70	<b>122</b>	23	---
Phosphorus	ppm	ASTM D5185m	2000	<b>317</b>	272	---
Zinc	ppm	ASTM D5185m	50	<b>52</b>	8	---
Sulfur	ppm	ASTM D5185m	20000	<b>30080</b>	27611	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	<b>4</b>	18	---
Sodium	ppm	ASTM D5185m		<b>4</b>	6	---
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	5	---

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
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	---
Free Water	scalar	*Visual		<b>NEG</b>	NEG	---



# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
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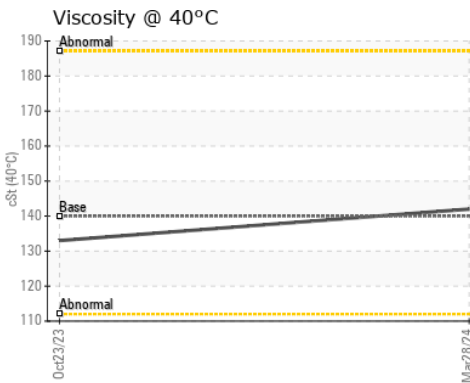
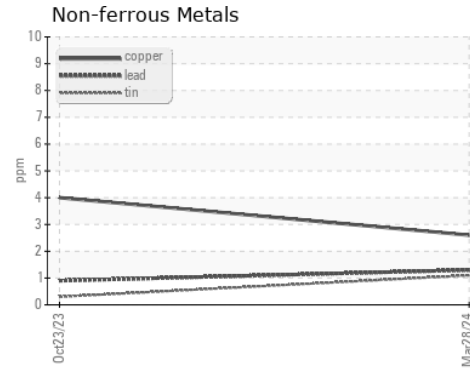
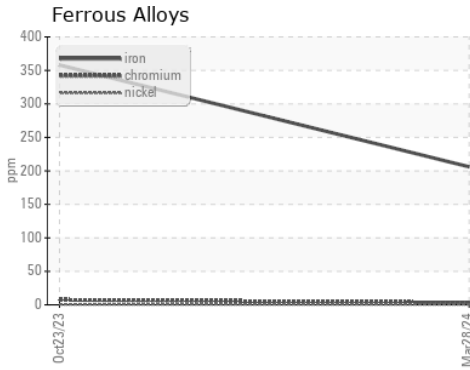
Visc @ 40°C	cSt	ASTM D445	140	<b>142</b>	133	---
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SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image	no image
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Bottom				no image	no image	no image
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GRAPHS
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Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0901188  
**Lab Number** : **06138914**  
**Unique Number** : 10963722  
**Test Package** : CONST

**Received** : 04 Apr 2024  
**Tested** : 05 Apr 2024  
**Diagnosed** : 05 Apr 2024 - Wes Davis

**SHERWOOD CONSTRUCTION CO INC**  
 3219 WEST MAY ST  
 WICHITA, KS  
 US 67213  
 Contact: BILL ORCUTT  
 william.orcutt@wildcat.net

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: