



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

Machine Id  
**SVL95-2SHFC 40428**  
 Component  
**Left Final Drive**  
 Fluid  
**GEAR OIL LS 80W90 (--- GAL)**

### RECOMMENDATION

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0219686</b>	JR0188598	---
Sample Date		Client Info		<b>24 Jun 2024</b>	02 Oct 2023	---
Machine Age	hrs	Client Info		<b>2920</b>	40428	---
Oil Age	hrs	Client Info		<b>2920</b>	40428	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>N/A</b>	Changed	---
Sample Status				<b>SEVERE</b>	ABNORMAL	---

### WEAR

Gear wear is indicated.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>151</b>	165	---
Iron	ppm	ASTM D5185m	>500	<b>▲ 1654</b>	▲ 1466	---
Chromium	ppm	ASTM D5185m	>10	<b>▲ 19</b>	▲ 19	---
Nickel	ppm	ASTM D5185m	>10	<b>2</b>	3	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>12</b>	9	---
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>50	<b>2</b>	2	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	---
White Metal	scalar	*Visual	NONE	<b>MODER</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

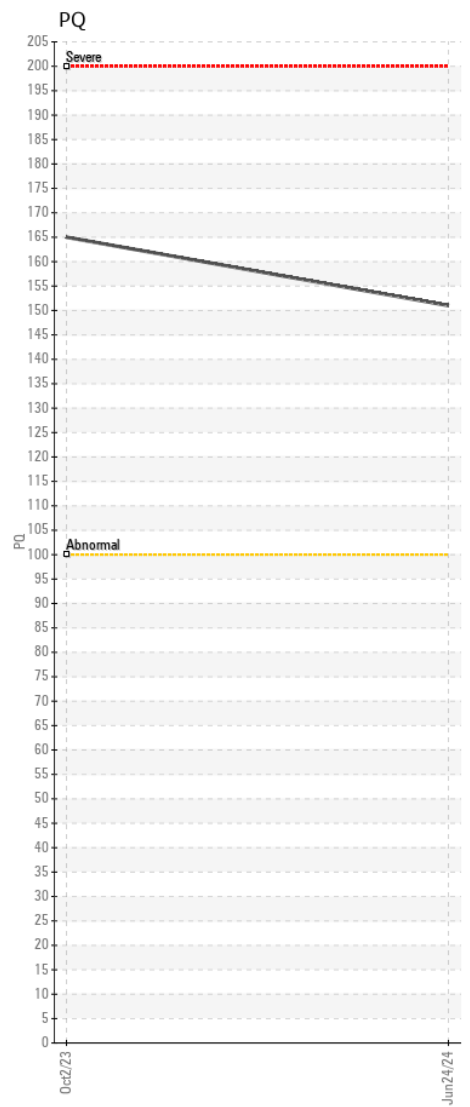
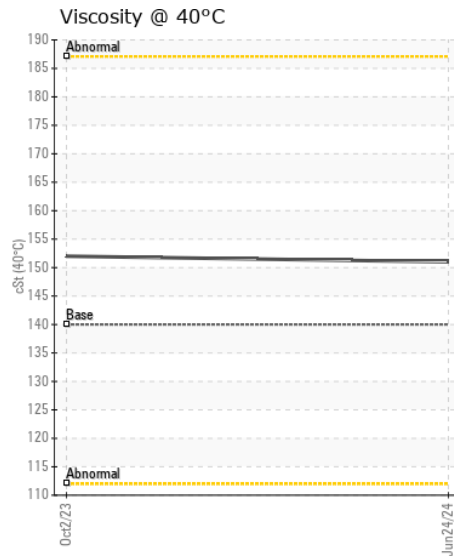
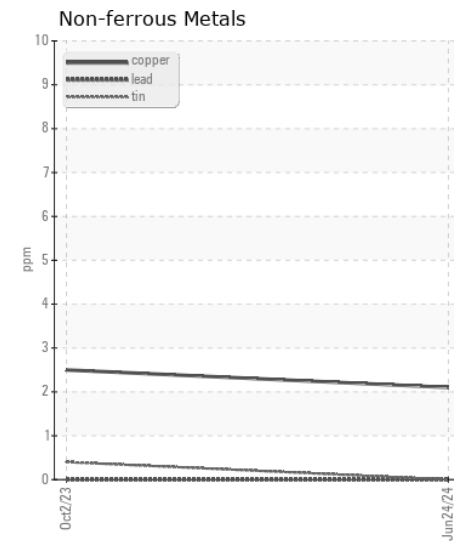
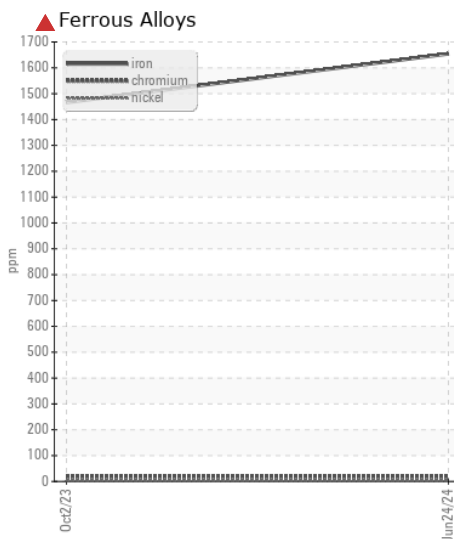
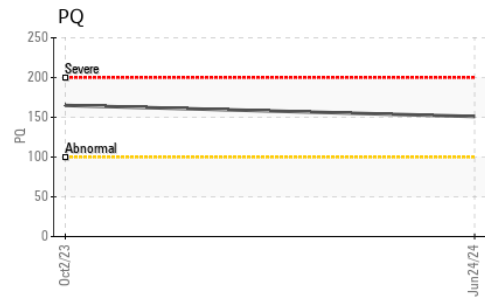
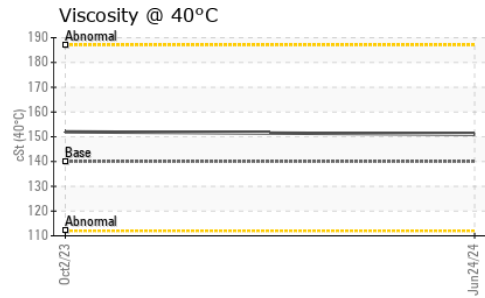
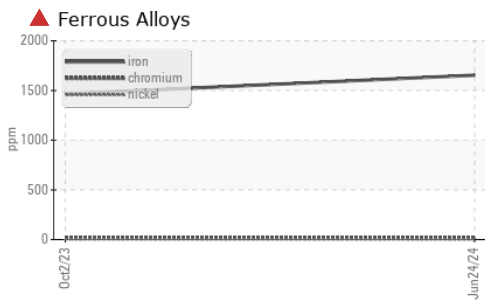
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>68</b>	42	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	---
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		<b>3</b>	3	---
Boron	ppm	ASTM D5185m	150	<b>0</b>	0	---
Barium	ppm	ASTM D5185m		<b>6</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	1	---
Manganese	ppm	ASTM D5185m		<b>18</b>	17	---
Magnesium	ppm	ASTM D5185m	10	<b>4</b>	1	---
Calcium	ppm	ASTM D5185m	70	<b>94</b>	33	---
Phosphorus	ppm	ASTM D5185m	2000	<b>223</b>	233	---
Zinc	ppm	ASTM D5185m	50	<b>96</b>	75	---
Sulfur	ppm	ASTM D5185m	20000	<b>21148</b>	18246	---
Visc @ 40°C	cSt	ASTM D445	140	<b>151</b>	152	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0219686 **Received** : 26 Jun 2024  
**Lab Number** : 06221493 **Tested** : 27 Jun 2024  
**Unique Number** : 11099690 **Diagnosed** : 28 Jun 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - CHARLOTTE**  
 9550 STATESVILLE ROAD  
 CHARLOTTE, NC  
 US 28269

Contact: CHARLOTTE SHOP  
 myoung@jamesriverequipment.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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