



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

Area  
**[W65102]**  
 Machine Id  
**A30G753470**  
 Component  
**Rear Differential**  
 Fluid  
**{not provided} (5 GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. ( Customer Sample Comment: W65102 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0205704</b>	JR0188696	---
Sample Date		Client Info		<b>19 Mar 2024</b>	13 Oct 2023	---
Machine Age	hrs	Client Info		<b>1095</b>	593	---
Oil Age	hrs	Client Info		<b>1095</b>	593	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Not Changed	---
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>244</b>	11	---
Iron	ppm	ASTM D5185m	>500	<b>267</b>	1	---
Chromium	ppm	ASTM D5185m	>10	<b>4</b>	<1	---
Nickel	ppm	ASTM D5185m	>10	<b>2</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>1</b>	2	---
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>100	<b>27</b>	<1	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

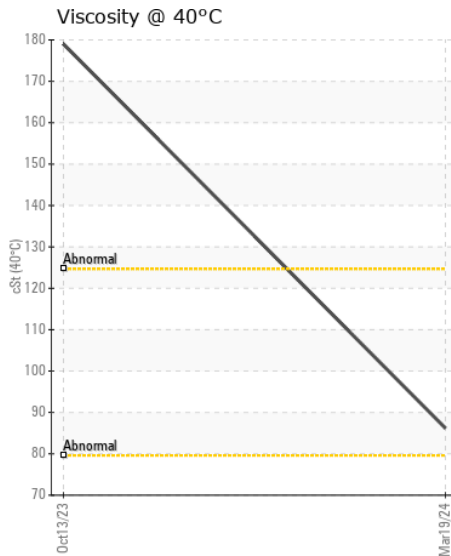
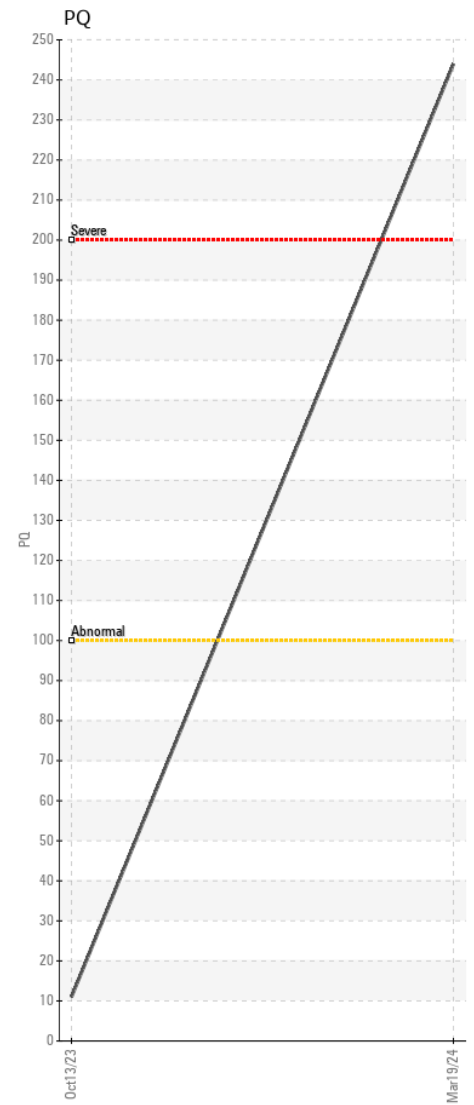
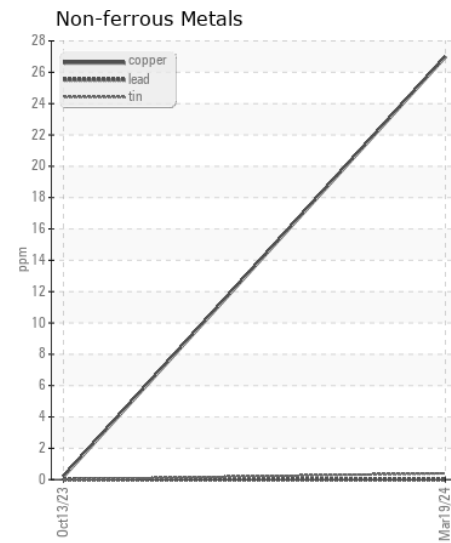
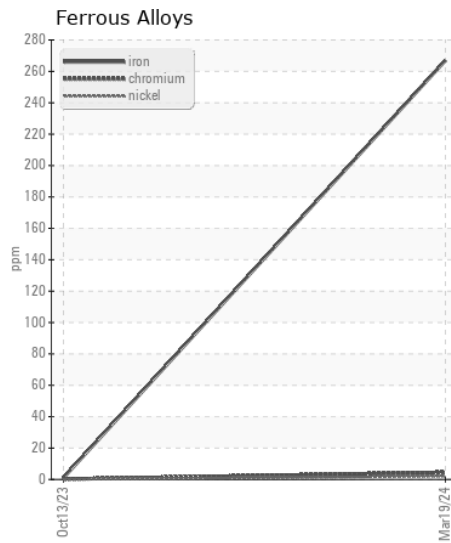
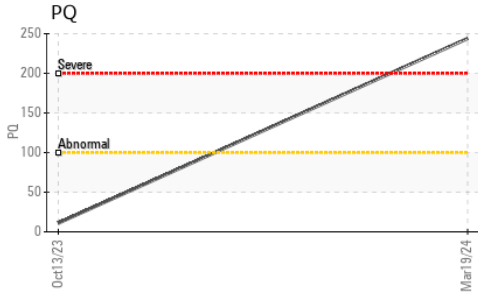
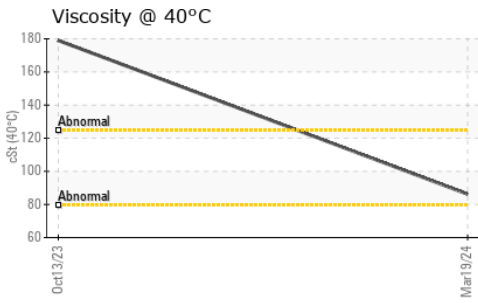
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>10</b>	<1	---
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	2	---
Water		WC Method	>.2	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>LIGHT</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	>.2	<b>NEG</b>	NEG	---

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>1</b>	0	---
Boron	ppm	ASTM D5185m		<b>232</b>	0	---
Barium	ppm	ASTM D5185m		<b>5</b>	<1	---
Molybdenum	ppm	ASTM D5185m		<b>6</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>9</b>	0	---
Magnesium	ppm	ASTM D5185m		<b>2</b>	1	---
Calcium	ppm	ASTM D5185m		<b>875</b>	4	---
Phosphorus	ppm	ASTM D5185m		<b>1346</b>	877	---
Zinc	ppm	ASTM D5185m		<b>356</b>	0	---
Sulfur	ppm	ASTM D5185m		<b>22148</b>	24846	---
Visc @ 40°C	cSt	ASTM D445		<b>86.2</b>	179	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0205704  
**Lab Number** : 06123913  
**Unique Number** : 10938064  
**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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