



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

Machine Id  
**1014**  
 Component  
**Right Final Drive**  
 Fluid  
**{not provided} (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0195530</b>	JR0184569	---
Sample Date		Client Info		<b>06 Feb 2024</b>	26 Oct 2023	---
Machine Age	hrs	Client Info		<b>1548</b>	1050	---
Oil Age	hrs	Client Info		<b>500</b>	1000	---
Filter Age	hrs	Client Info		<b>500</b>	1000	---
Oil Changed		Client Info		<b>Not Changd</b>	Changed	---
Filter Changed		Client Info		<b>Not Changd</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>50</b>	27	---
Iron	ppm	ASTM D5185m	>750	<b>41</b>	153	---
Chromium	ppm	ASTM D5185m	>9	<b>&lt;1</b>	2	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>40	<b>1</b>	4	---
Lead	ppm	ASTM D5185m	>15	<b>0</b>	4	---
Copper	ppm	ASTM D5185m	>40	<b>0</b>	1	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	---
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

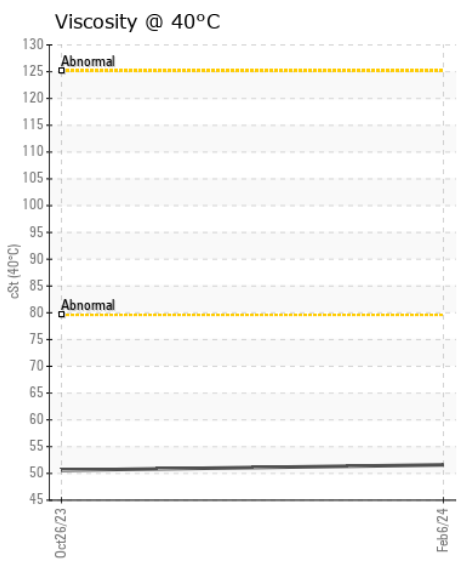
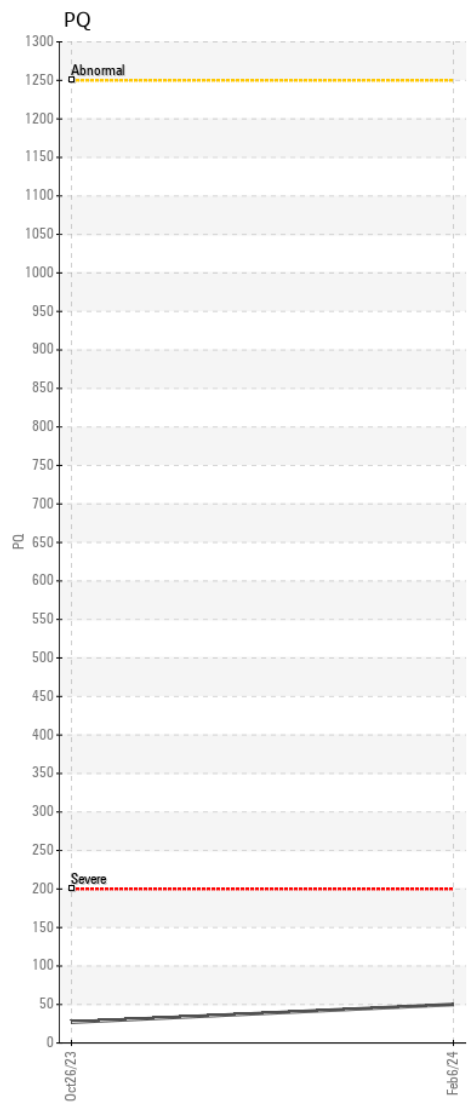
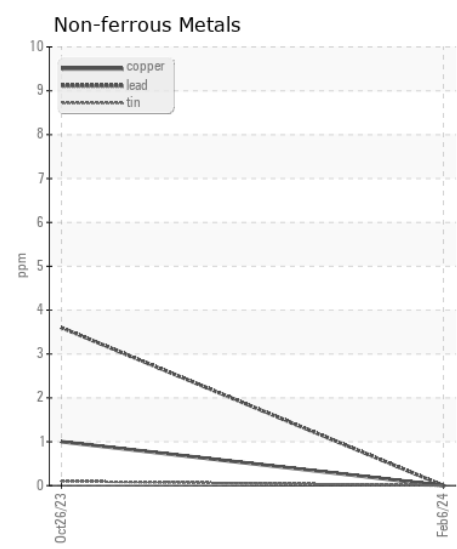
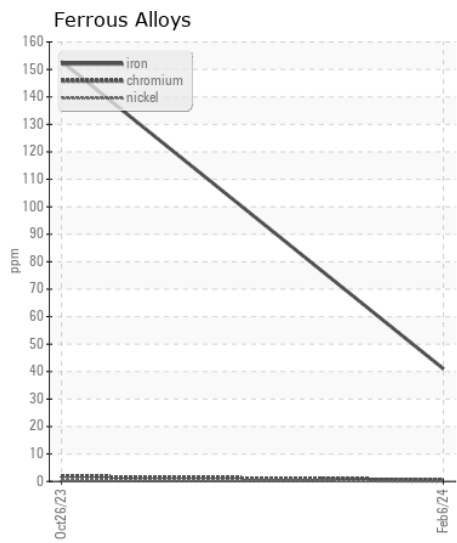
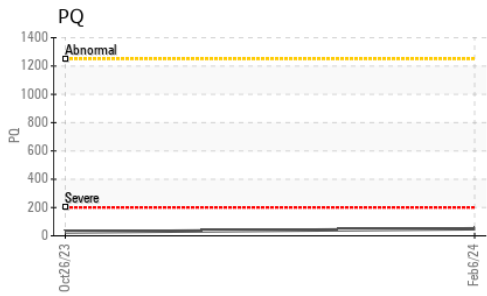
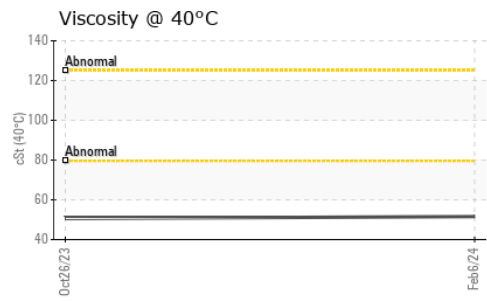
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>15</b>	42	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	4	---
Water		WC Method	>0.075	<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	>0.075	<b>NEG</b>	NEG	---

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	<b>0</b>	5	---
Boron	ppm	ASTM D5185m		<b>1</b>	0	---
Barium	ppm	ASTM D5185m		<b>11</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	3	---
Magnesium	ppm	ASTM D5185m		<b>94</b>	110	---
Calcium	ppm	ASTM D5185m		<b>3102</b>	3318	---
Phosphorus	ppm	ASTM D5185m		<b>947</b>	1013	---
Zinc	ppm	ASTM D5185m		<b>1184</b>	1228	---
Sulfur	ppm	ASTM D5185m		<b>3812</b>	3550	---
Visc @ 40°C	cSt	ASTM D445		<b>51.6</b>	50.6	---



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0195530 **Received** : 14 Feb 2024  
**Lab Number** : 06089677 **Tested** : 16 Feb 2024  
**Unique Number** : 10877122 **Diagnosed** : 16 Feb 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**PATRIOT DEVELOPMENT CORP**  
 22721 LADBROOK DRIVE STE 120  
 STERLING, VA  
 US 20166  
 Contact: ROBERT MOSS  
 robert.moss@patriotdev.net  
 T:  
 F:

Certificate L2367  
 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)