



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



Machine Id  
**2025**  
 Component  
**Hydraulic System**  
 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>JR0210053</b>	JR0195077	---
Sample Date		Client Info		<b>10 May 2024</b>	19 Dec 2023	---
Machine Age	hrs	Client Info		<b>4074</b>	3379	---
Oil Age	hrs	Client Info		<b>4000</b>	1000	---
Filter Age	hrs	Client Info		<b>4000</b>	1000	---
Oil Changed		Client Info		<b>Changed</b>	Not Changd	---
Filter Changed		Client Info		<b>Changed</b>	Not Changd	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	<b>19</b>	14	---
Iron	ppm	ASTM D5185m	>71	<b>2</b>	5	---
Chromium	ppm	ASTM D5185m	>11	<b>3</b>	3	---
Nickel	ppm	ASTM D5185m	>6	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>11	<b>&lt;1</b>	2	---
Lead	ppm	ASTM D5185m	>13	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>21	<b>&lt;1</b>	2	---
Tin	ppm	ASTM D5185m	>5	<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

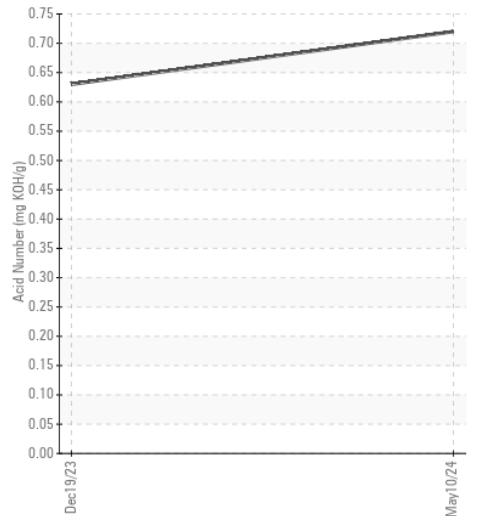
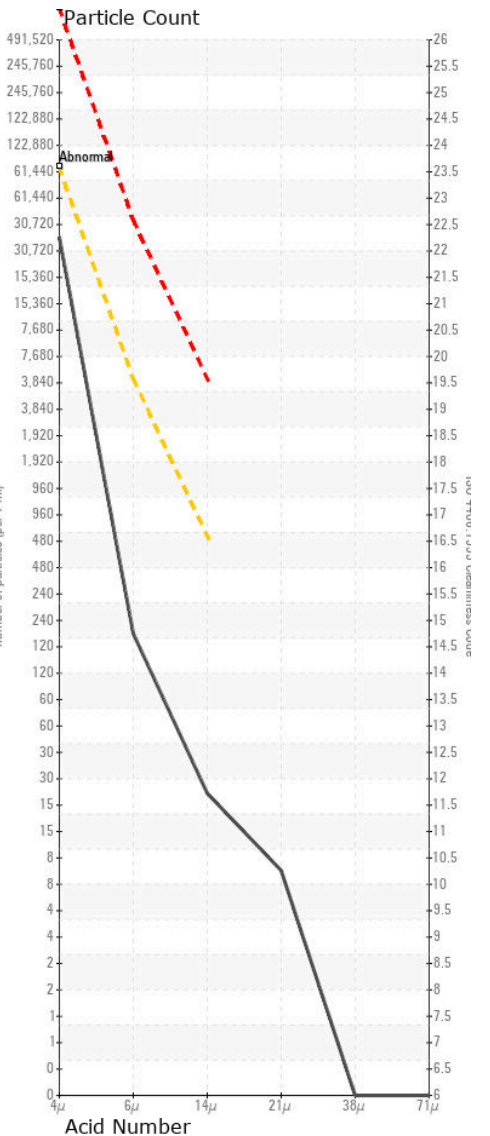
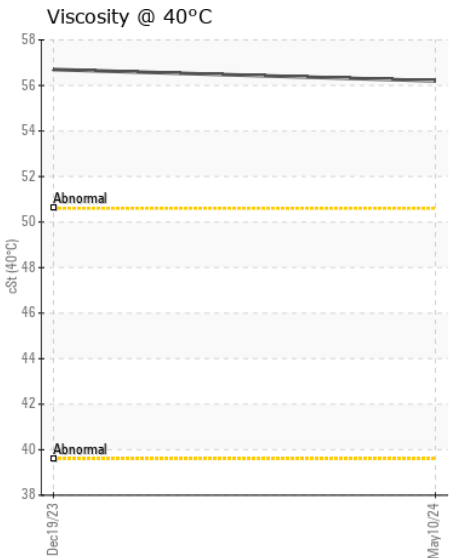
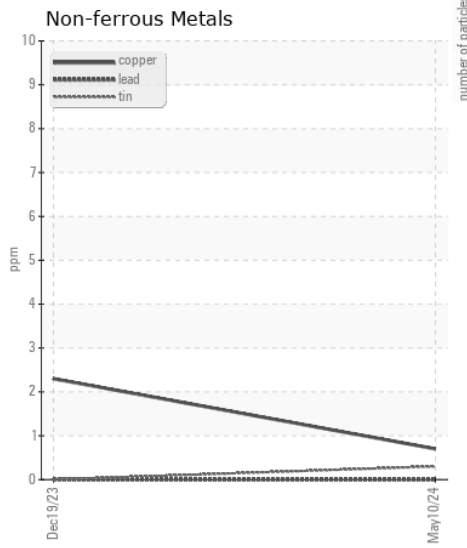
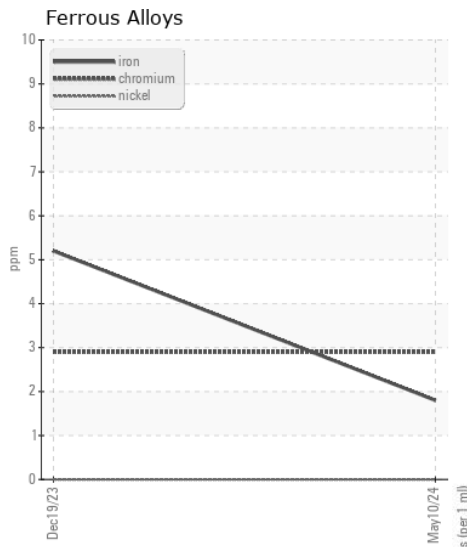
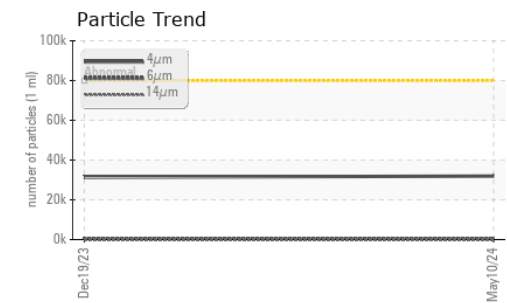
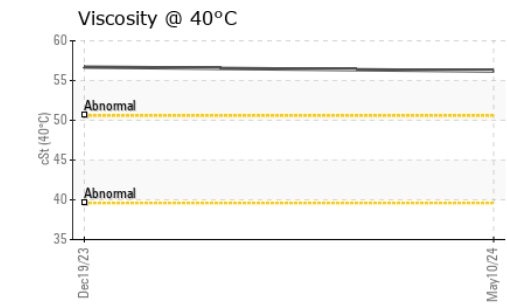
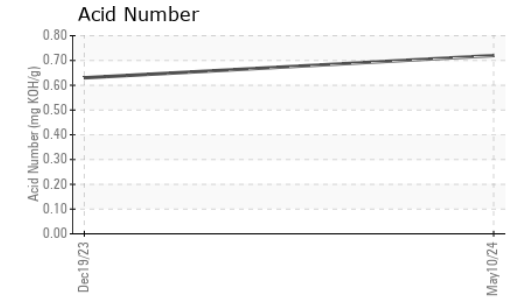
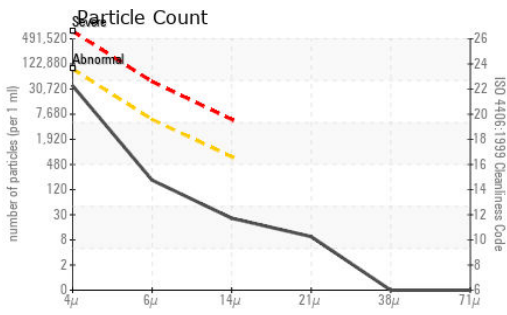
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185m	>24	<b>3</b>	4	---
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	4	---
Water		WC Method	>0.075	<b>NEG</b>	NEG	---
Particles >4µm		ASTM D7647	>80000	<b>31957</b>	31345	---
Particles >6µm		ASTM D7647	>5000	<b>178</b>	176	---
Particles >14µm		ASTM D7647	>640	<b>22</b>	16	---
Particles >21µm		ASTM D7647	>160	<b>8</b>	6	---
Particles >38µm		ASTM D7647	>40	<b>0</b>	0	---
Particles >71µm		ASTM D7647	>10	<b>0</b>	0	---
Oil Cleanliness		ISO 4406 (c)	>23/19/16	<b>22/15/12</b>	22/15/11	---
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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m	>21	<b>2</b>	2	---
Boron	ppm	ASTM D5185m		<b>0</b>	0	---
Barium	ppm	ASTM D5185m		<b>1</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Magnesium	ppm	ASTM D5185m		<b>5</b>	3	---
Calcium	ppm	ASTM D5185m		<b>190</b>	189	---
Phosphorus	ppm	ASTM D5185m		<b>631</b>	654	---
Zinc	ppm	ASTM D5185m		<b>840</b>	882	---
Sulfur	ppm	ASTM D5185m		<b>1804</b>	1785	---
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.72</b>	0.63	---
Visc @ 40°C	cSt	ASTM D445		<b>56.2</b>	56.7	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0210053 **Received** : 14 May 2024  
**Lab Number** : 06178623 **Tested** : 15 May 2024  
**Unique Number** : 11029949 **Diagnosed** : 15 May 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

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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F: