



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



Machine Id  
**JOHN DEERE 245P 000398**  
 Component  
**Hydraulic System**  
 Fluid  
**{not provided} (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0223155</b>	JR0204782	---
Sample Date		Client Info		<b>30 Jun 2024</b>	03 Mar 2024	---
Machine Age	hrs	Client Info		<b>974</b>	490	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>N/A</b>	N/A	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	ATTENTION	---

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	<b>16</b>	21	---
Iron	ppm	ASTM D5185m	>32	<b>&lt;1</b>	5	---
Chromium	ppm	ASTM D5185m	>9	<b>0</b>	0	---
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>9	<b>&lt;1</b>	0	---
Lead	ppm	ASTM D5185m	>28	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m	>50	<b>2</b>	0	---
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

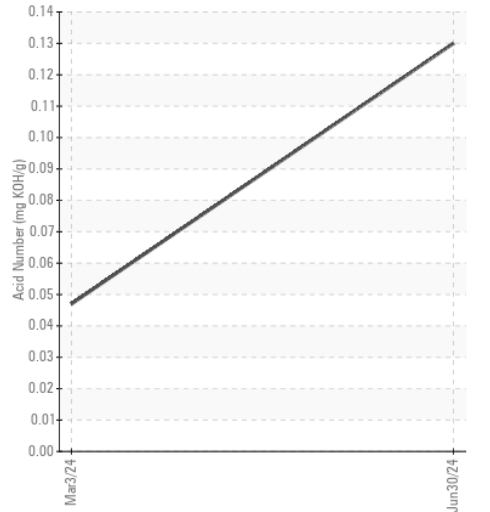
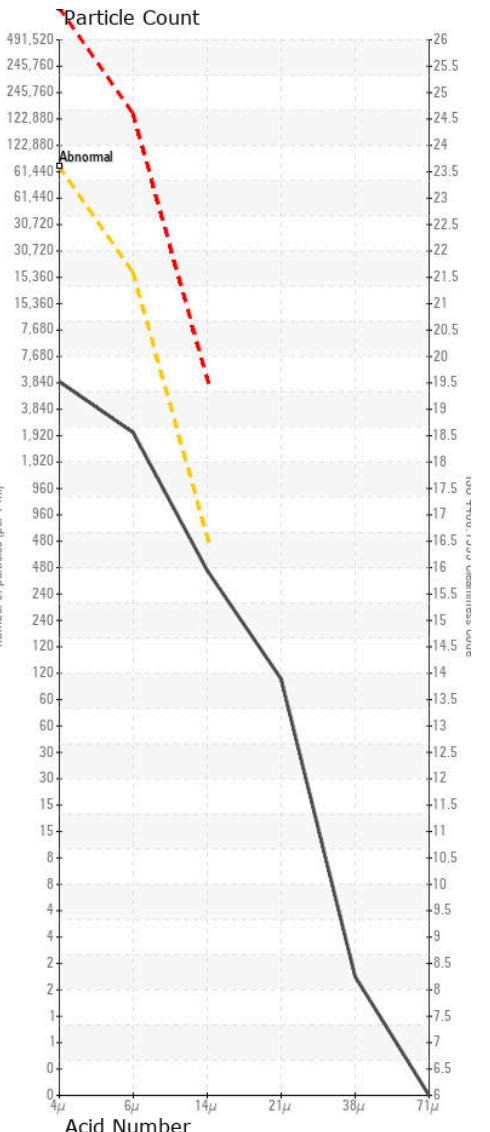
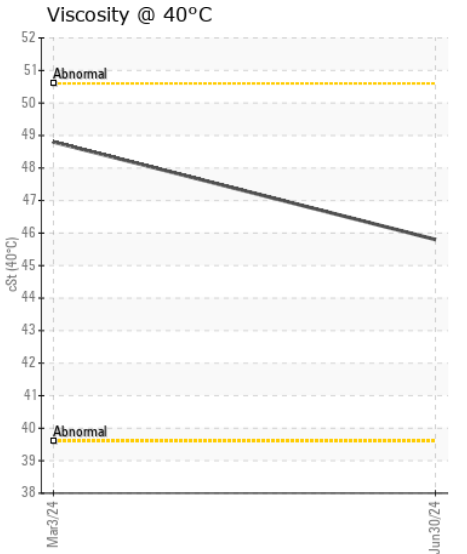
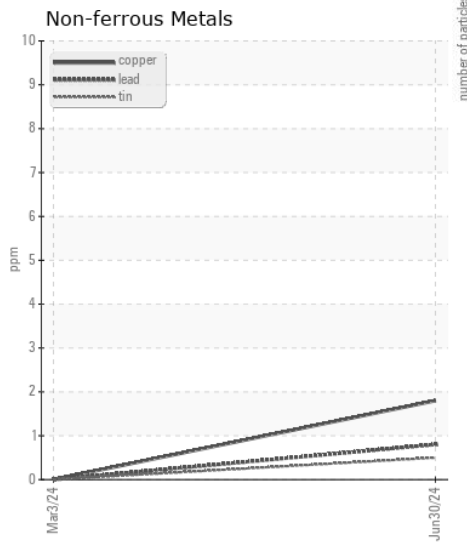
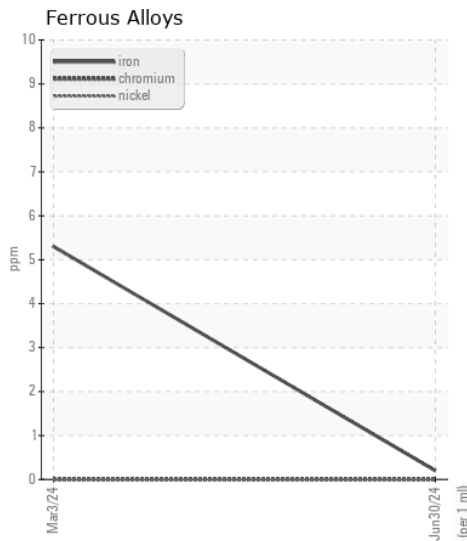
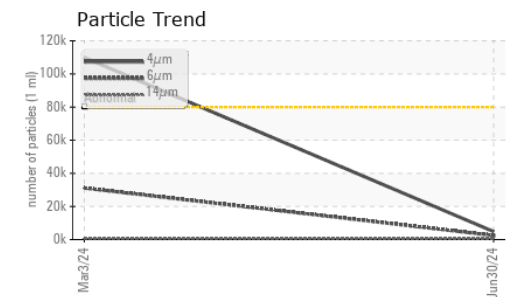
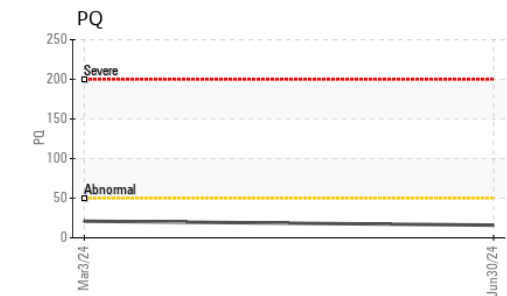
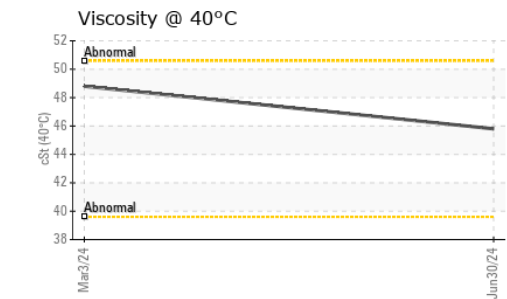
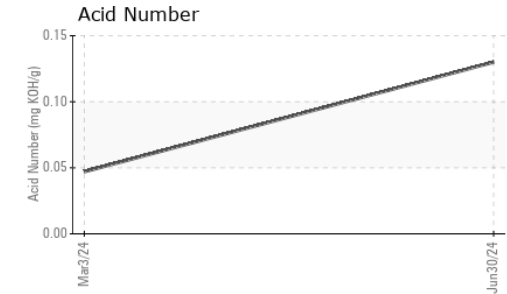
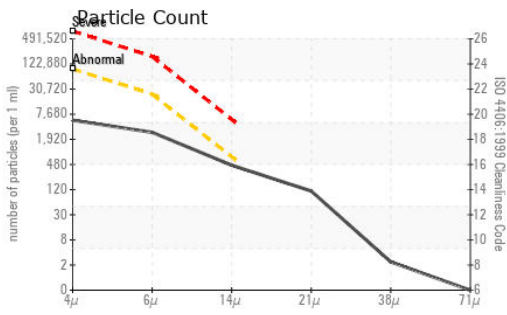
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>11	<b>1</b>	3	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	---
Water		WC Method	>0.075	<b>NEG</b>	NEG	---
Particles >4µm		ASTM D7647	>80000	<b>4817</b>	109931	---
Particles >6µm		ASTM D7647	>20000	<b>2467</b>	31121	---
Particles >14µm		ASTM D7647	>640	<b>406</b>	602	---
Particles >21µm		ASTM D7647	>160	<b>98</b>	85	---
Particles >38µm		ASTM D7647	>40	<b>2</b>	1	---
Particles >71µm		ASTM D7647	>10	<b>0</b>	0	---
Oil Cleanliness		ISO 4406 (c)	>23/21/16	<b>19/18/16</b>	24/22/16	---
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>0</b>	<1	---
Boron	ppm	ASTM D5185m		<b>0</b>	0	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Magnesium	ppm	ASTM D5185m		<b>0</b>	0	---
Calcium	ppm	ASTM D5185m		<b>0</b>	5	---
Phosphorus	ppm	ASTM D5185m		<b>564</b>	680	---
Zinc	ppm	ASTM D5185m		<b>44</b>	0	---
Sulfur	ppm	ASTM D5185m		<b>137</b>	26	---
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.13</b>	0.047	---
Visc @ 40°C	cSt	ASTM D445		<b>45.8</b>	48.8	---



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0223155 **Received** : 01 Jul 2024  
**Lab Number** : 06224453 **Tested** : 02 Jul 2024  
**Unique Number** : 11102650 **Diagnosed** : 02 Jul 2024 - Jonathan Hester  
**Test Package** : CONST ( Additional Tests: PQ )

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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)