



# OIL ANALYSIS REPORT

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

Area  
**Store 9 - Marietta [148119]**  
Machine Id  
**PRIME TECH PT-300 PT-300-00886**  
Component  
**Hydraulic System**  
Fluid  
**JOHN DEERE HYDRAU XR (95 GAL)**

## RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0047401</b>	LEC0047832	---
Sample Date		Client Info		<b>19 Mar 2024</b>	20 Feb 2024	---
Machine Age	hrs	Client Info		<b>84</b>	70	---
Oil Age	hrs	Client Info		<b>84</b>	70	---
Filter Age	hrs	Client Info		<b>84</b>	0	---
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Filter Changed		Client Info		<b>Changed</b>	Not Changd	---
Sample Status				<b>NORMAL</b>	SEVERE	---

## WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>20	<b>2</b>	3	---
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m	>10	<b>2</b>	0	---
Lead	ppm	ASTM D5185m	>10	<b>&lt;1</b>	1	---
Copper	ppm	ASTM D5185m	>75	<b>3</b>	1	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

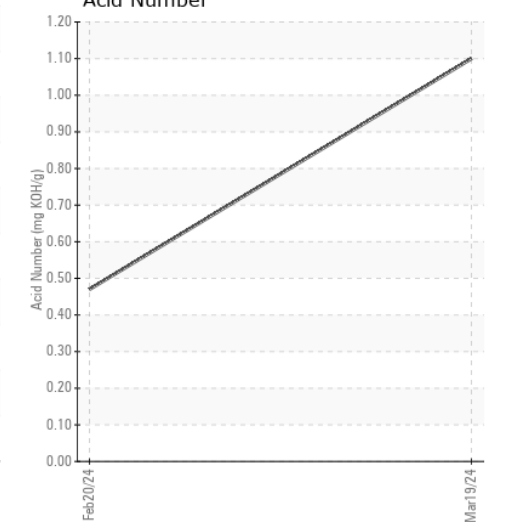
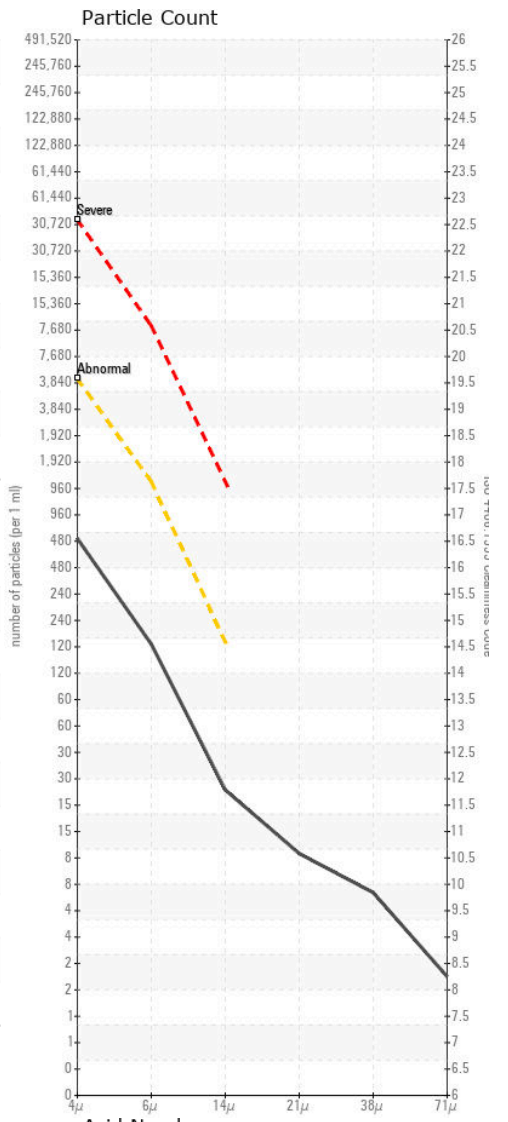
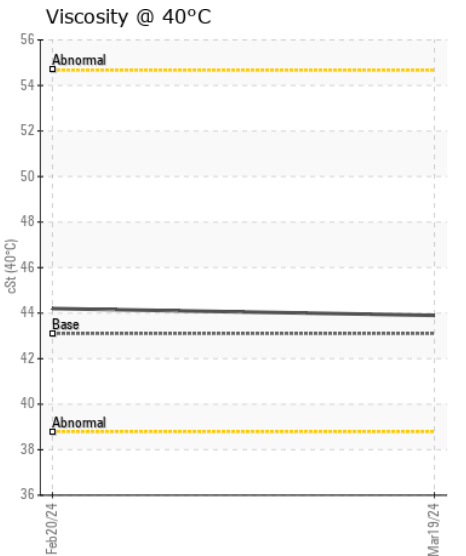
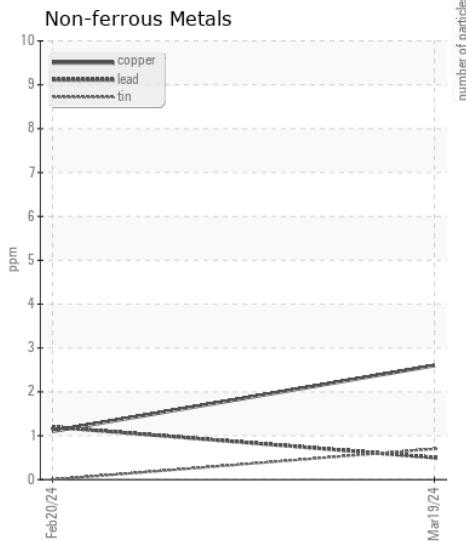
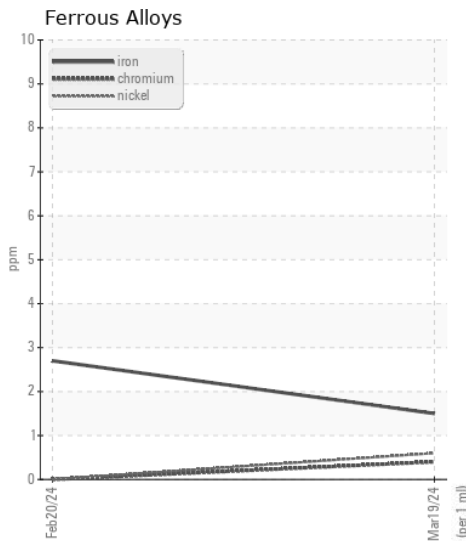
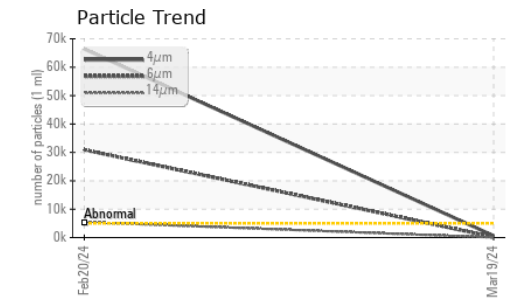
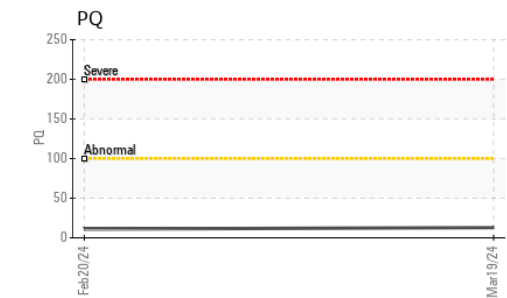
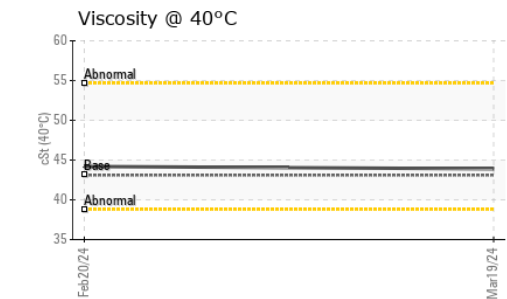
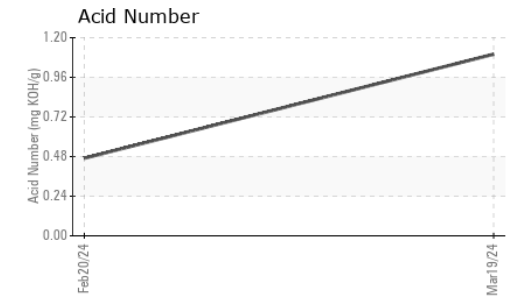
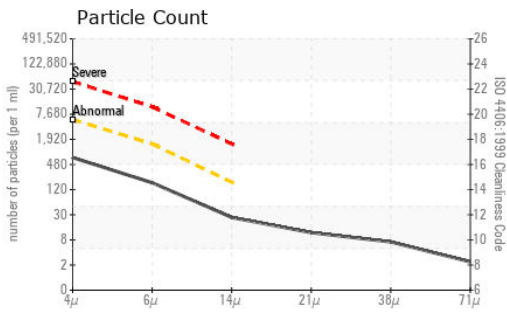
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>20	<b>1</b>	1	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Particles >4µm		ASTM D7647	>5000	<b>618</b>	▲ 66413	---
Particles >6µm		ASTM D7647	>1300	<b>155</b>	▲ 30899	---
Particles >14µm		ASTM D7647	>160	<b>23</b>	▲ 5443	---
Particles >21µm		ASTM D7647	>40	<b>10</b>	▲ 1748	---
Particles >38µm		ASTM D7647	>10	<b>6</b>	▲ 94	---
Particles >71µm		ASTM D7647	>3	<b>2</b>	4	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>16/14/12</b>	▲ 23/22/20	---
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	>0.1	<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		<b>1</b>	0	---
Boron	ppm	ASTM D5185m		<b>0</b>	0	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Magnesium	ppm	ASTM D5185m		<b>2</b>	<1	---
Calcium	ppm	ASTM D5185m		<b>57</b>	78	---
Phosphorus	ppm	ASTM D5185m		<b>281</b>	430	---
Zinc	ppm	ASTM D5185m		<b>368</b>	598	---
Sulfur	ppm	ASTM D5185m		<b>1040</b>	1494	---
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>1.10</b>	0.47	---
Visc @ 40°C	cSt	ASTM D445	43.1	<b>43.9</b>	44.2	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0047401 **Received** : 20 Mar 2024  
**Lab Number** : 06124134 **Tested** : 20 Mar 2024  
**Unique Number** : 10938285 **Diagnosed** : 20 Mar 2024 - Doug Bogart  
**Test Package** : CONST ( Additional Tests: PQ )

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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