



# OIL ANALYSIS REPORT

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



Area  
**Store 9 - Marietta [ro#139963]**  
Machine Id  
**1T01050PAJF332750**  
Component  
**Hydraulic System**  
Fluid  
**JOHN DEERE HYDRAU (23 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0041475</b>	LEC0006899	---
Sample Date		Client Info		<b>14 Jun 2023</b>	18 Oct 2019	---
Machine Age	hrs	Client Info		<b>333</b>	313	---
Oil Age	hrs	Client Info		<b>333</b>	313	---
Filter Age	hrs	Client Info		<b>333</b>	313	---
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Sample Status				<b>NORMAL</b>	NORMAL	---

## WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	<b>15</b>	14	---
Iron	ppm	ASTM D5185m	>23	<b>2</b>	3	---
Chromium	ppm	ASTM D5185m	>9	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Aluminum	ppm	ASTM D5185m	>9	<b>0</b>	<1	---
Lead	ppm	ASTM D5185m	>28	<b>2</b>	2	---
Copper	ppm	ASTM D5185m	>51	<b>11</b>	8	---
Tin	ppm	ASTM D5185m	>5	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	VLITE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

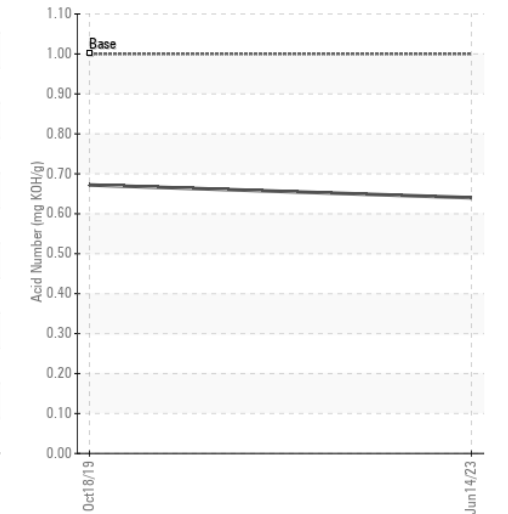
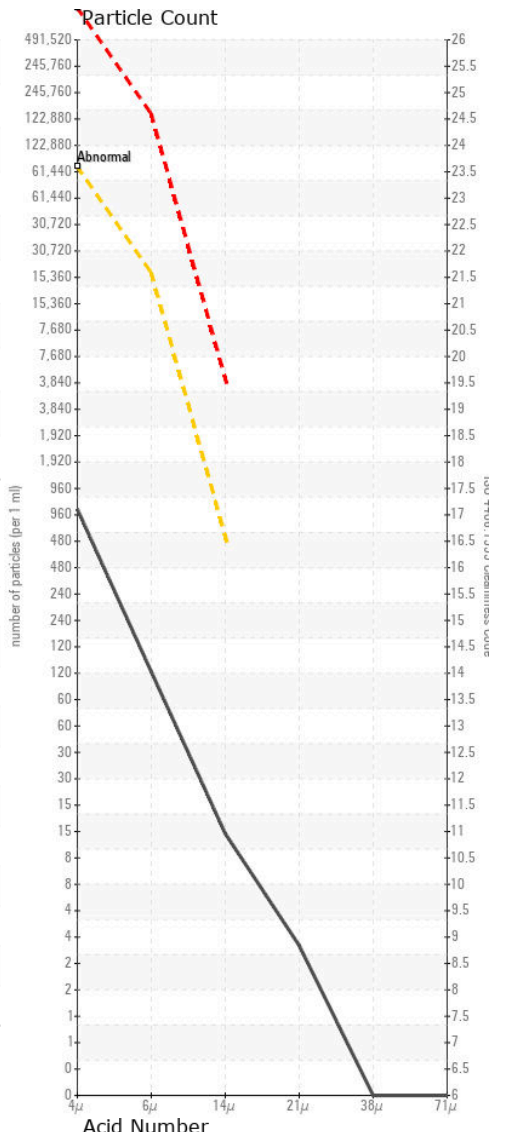
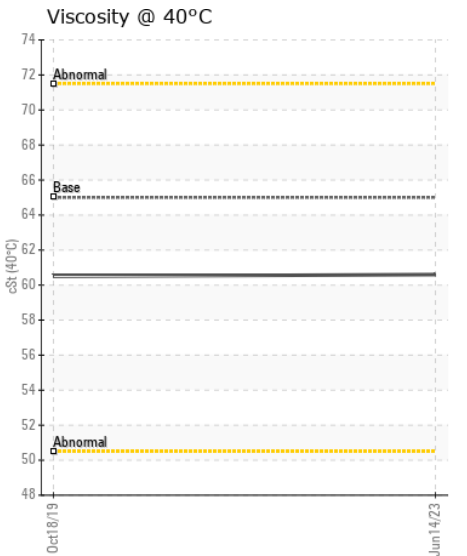
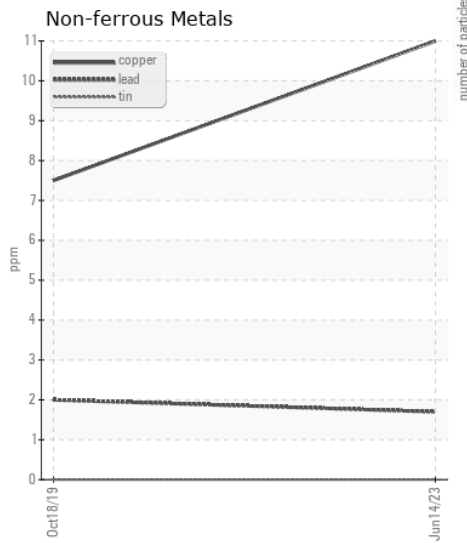
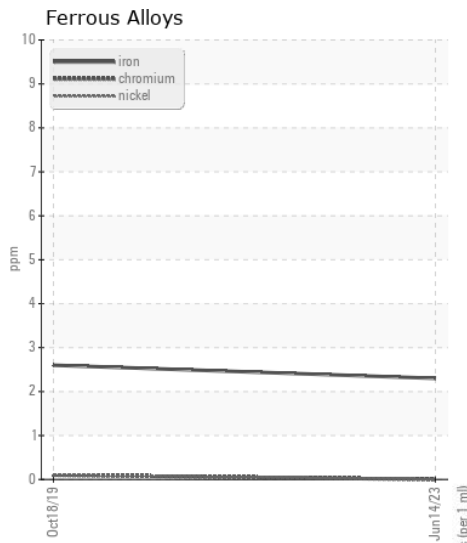
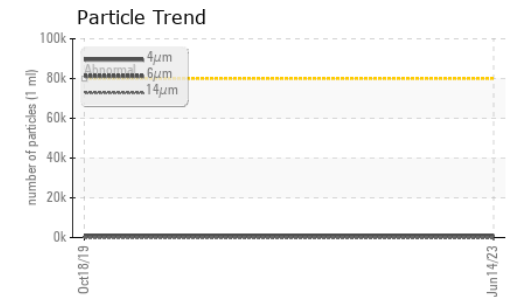
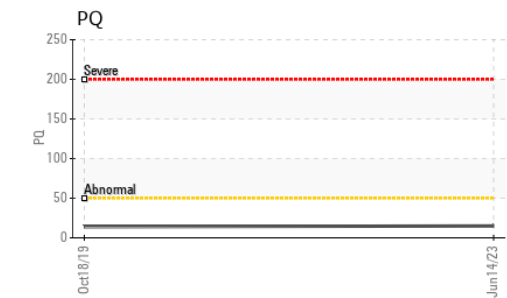
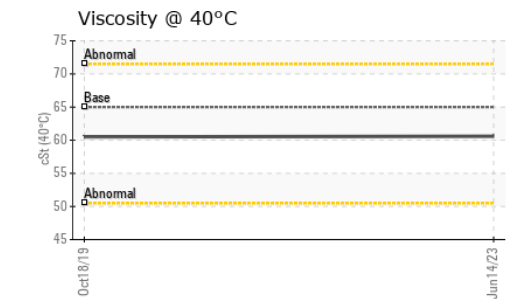
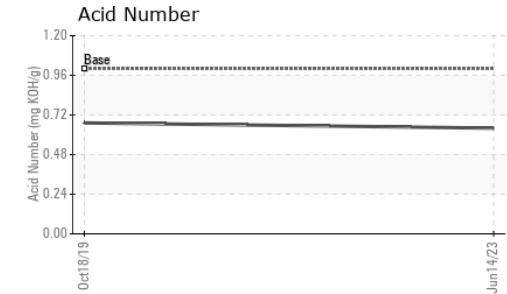
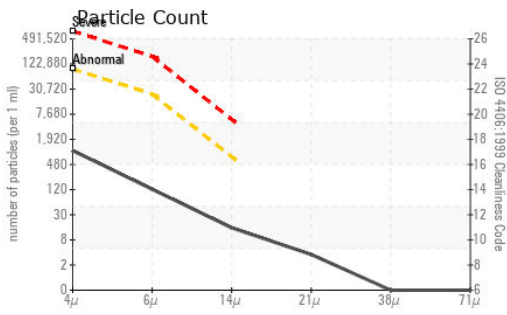
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>&lt;1</b>	1	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	---
Water		WC Method	>0.075	<b>NEG</b>	NEG	---
Particles >4µm		ASTM D7647	>80000	<b>907</b>	1039	---
Particles >6µm		ASTM D7647	>20000	<b>108</b>	272	---
Particles >14µm		ASTM D7647	>640	<b>13</b>	29	---
Particles >21µm		ASTM D7647	>160	<b>3</b>	8	---
Particles >38µm		ASTM D7647	>40	<b>0</b>	0	---
Particles >71µm		ASTM D7647	>10	<b>0</b>	0	---
Oil Cleanliness		ISO 4406 (c)	>23/21/16	<b>17/14/11</b>	17/15/12	---
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>	<1	---
Barium	ppm	ASTM D5185m		<b>3</b>	<1	---
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Manganese	ppm	ASTM D5185m		<b>0</b>	0	---
Magnesium	ppm	ASTM D5185m		<b>3</b>	1	---
Calcium	ppm	ASTM D5185m	87	<b>92</b>	98	---
Phosphorus	ppm	ASTM D5185m	727	<b>579</b>	707	---
Zinc	ppm	ASTM D5185m	900	<b>792</b>	875	---
Sulfur	ppm	ASTM D5185m	1500	<b>1793</b>	968	---
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	<b>0.64</b>	0.672	---
Visc @ 40°C	cSt	ASTM D445	65	<b>60.6</b>	60.5	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0041475 **Received** : 16 Jun 2023  
**Lab Number** : 05875432 **Tested** : 19 Jun 2023  
**Unique Number** : 10520535 **Diagnosed** : 19 Jun 2023 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**LESLIE EQUIPMENT COMPANY**  
 105 TENNIS CENTER DR.  
 MARIETTA, OH  
 US 45750-9765  
 Contact: LEANNE KENDALL  
 KendalLeanne@lec1.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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