



# OIL ANALYSIS REPORT

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



Area  
**Store 9 - Marietta [RO#139956]**  
Machine Id  
**JOHN DEERE 1050K 1T01050PCHF314958**  
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>LEC0041503</b>	LEC0003136	---
Sample Date		Client Info		<b>15 Jun 2023</b>	22 Jul 2019	---
Machine Age	hrs	Client Info		<b>1627</b>	1588	---
Oil Age	hrs	Client Info		<b>1627</b>	1588	---
Filter Age	hrs	Client Info		<b>1627</b>	1588	---
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>13</b>	18	---
Iron	ppm	ASTM D5185m	>23	<b>4</b>	3	---
Chromium	ppm	ASTM D5185m	>9	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>9	<b>&lt;1</b>	<1	---
Lead	ppm	ASTM D5185m	>28	<b>3</b>	2	---
Copper	ppm	ASTM D5185m	>51	<b>10</b>	6	---
Tin	ppm	ASTM D5185m	>5	<b>0</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

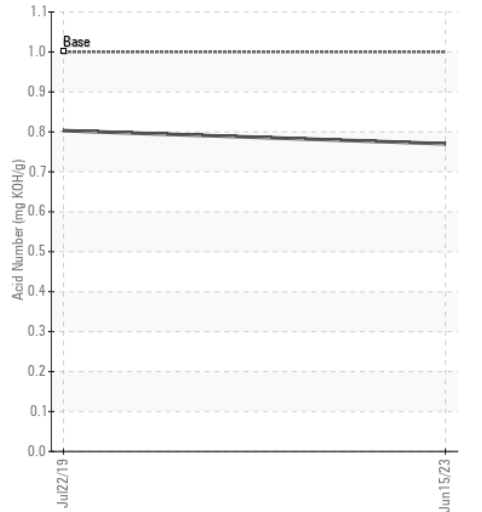
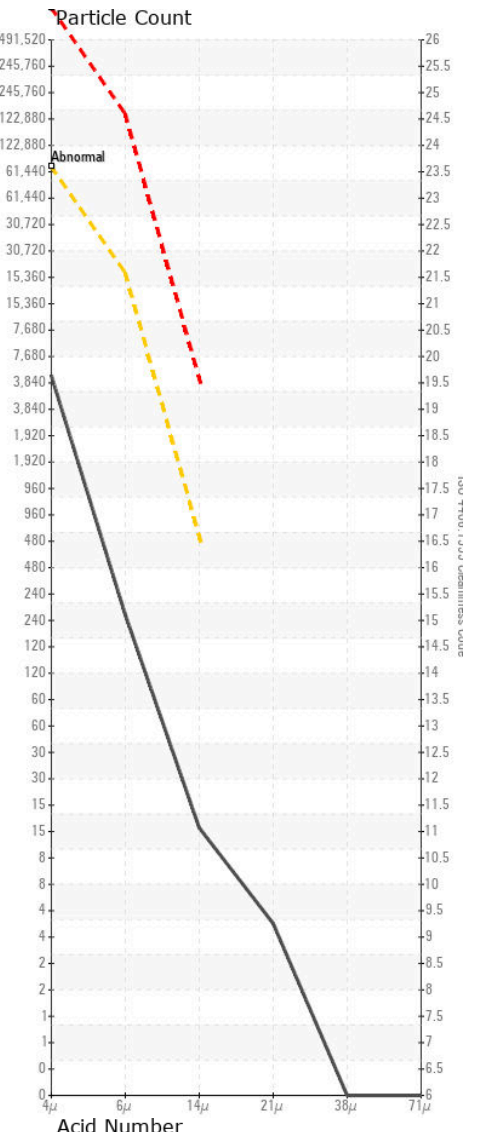
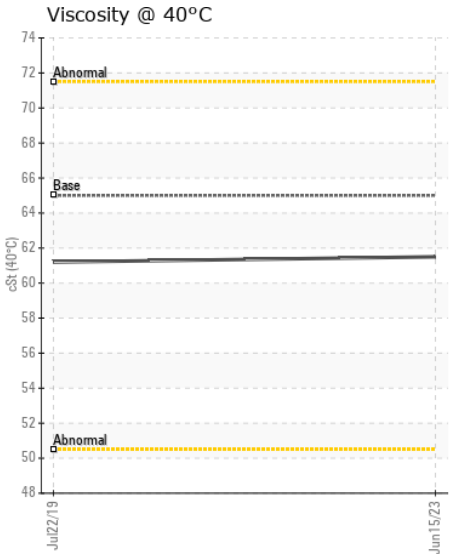
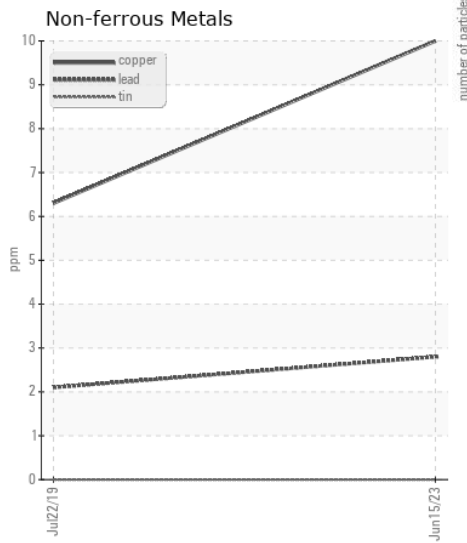
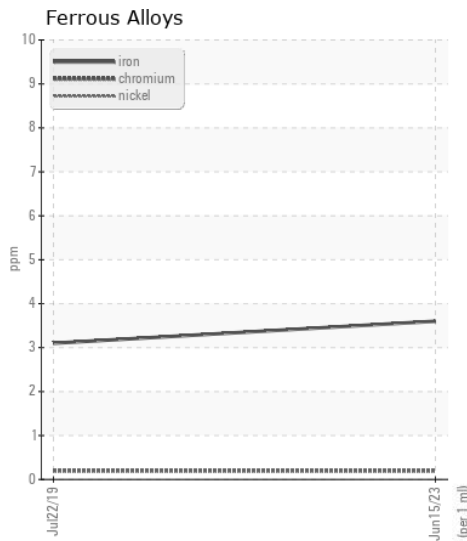
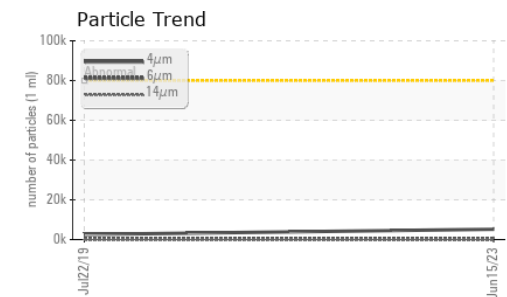
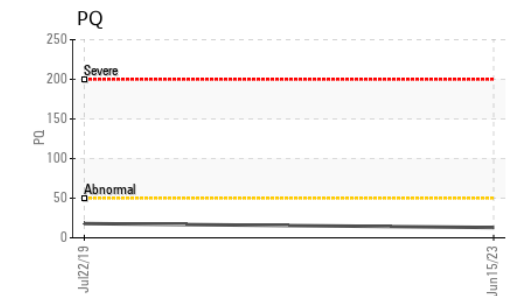
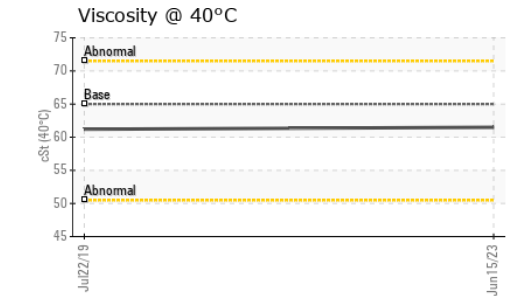
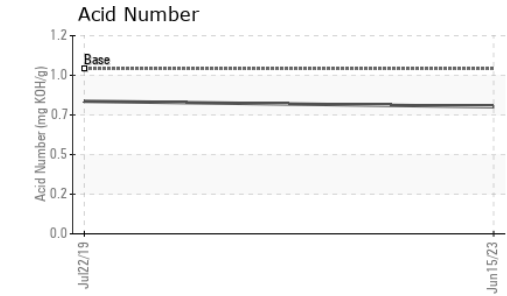
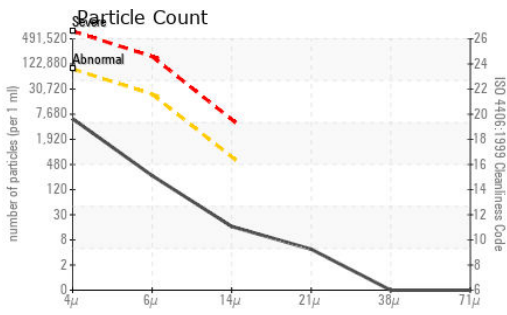
There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable.

Silicon	ppm	ASTM D5185m	>31	<b>1</b>	1	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	1	---
Water		WC Method	>0.075	<b>NEG</b>	NEG	---
Particles >4µm		ASTM D7647	>80000	<b>5209</b>	2551	---
Particles >6µm		ASTM D7647	>20000	<b>228</b>	362	---
Particles >14µm		ASTM D7647	>640	<b>14</b>	24	---
Particles >21µm		ASTM D7647	>160	<b>4</b>	5	---
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>20/15/11</b>	19/16/12	---
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>2</b>	1	---
Boron	ppm	ASTM D5185m		<b>0</b>	<1	---
Barium	ppm	ASTM D5185m		<b>0</b>	<1	---
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>3</b>	2	---
Calcium	ppm	ASTM D5185m	87	<b>412</b>	392	---
Phosphorus	ppm	ASTM D5185m	727	<b>665</b>	621	---
Zinc	ppm	ASTM D5185m	900	<b>892</b>	750	---
Sulfur	ppm	ASTM D5185m	1500	<b>2354</b>	2395	---
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	<b>0.77</b>	0.803	---
Visc @ 40°C	cSt	ASTM D445	65	<b>61.5</b>	61.2	---



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0041503 **Received** : 20 Jun 2023  
**Lab Number** : 05877952 **Tested** : 21 Jun 2023  
**Unique Number** : 10523055 **Diagnosed** : 21 Jun 2023 - Angela Borella  
**Test Package** : CONST ( Additional Tests: PQ )

**LESLIE EQUIPMENT COMPANY**  
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 US 45750-9765  
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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)