



# OIL ANALYSIS REPORT

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



Area  
**Store 8 - Pikeville**  
Machine Id  
**JOHN DEERE 850L 1T0850LXLMF390846**  
Component  
**Transmission**  
Fluid  
**JOHN DEERE HYDRAU (28 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0042157</b>	LEC0037760	LEC0033216
Sample Date		Client Info		<b>10 Jul 2023</b>	09 Feb 2023	24 Jun 2022
Machine Age	hrs	Client Info		<b>1360</b>	1022	650
Oil Age	hrs	Client Info		<b>1360</b>	1022	650
Filter Age	hrs	Client Info		<b>0</b>	1022	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184	>100	<b>16</b>	16	22
Iron	ppm	ASTM D5185m	>61	<b>17</b>	16	1
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>20	<b>0</b>	0	<1
Lead	ppm	ASTM D5185m	>9	<b>&lt;1</b>	0	<1
Copper	ppm	ASTM D5185m	>100	<b>6</b>	6	1
Tin	ppm	ASTM D5185m	>3	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>LIGHT</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

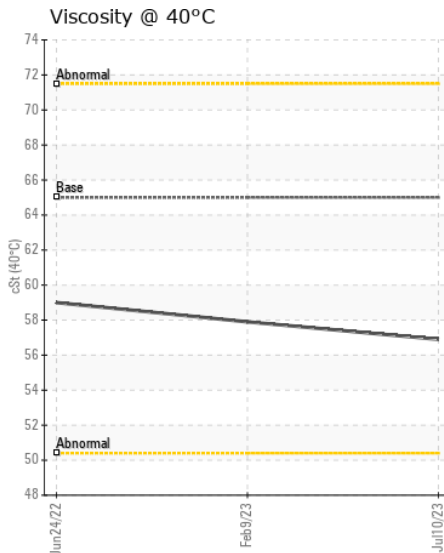
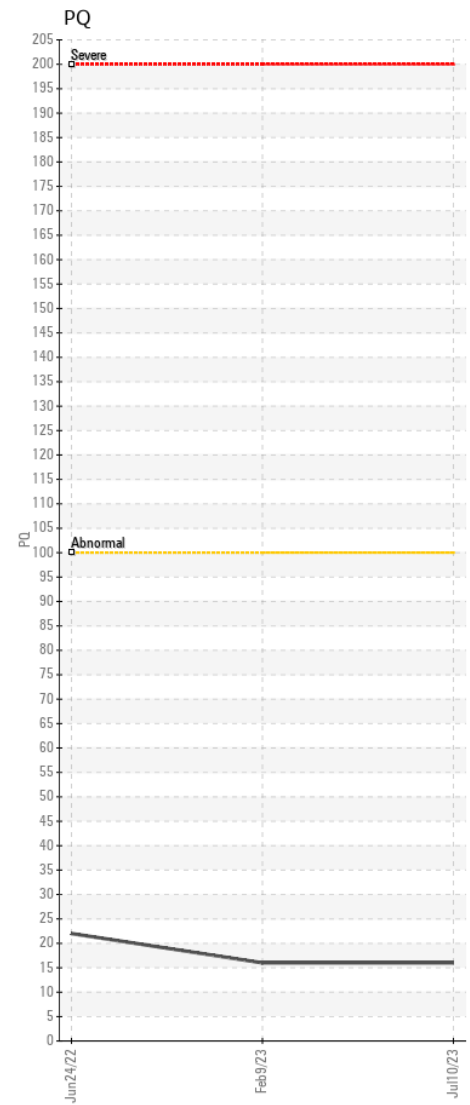
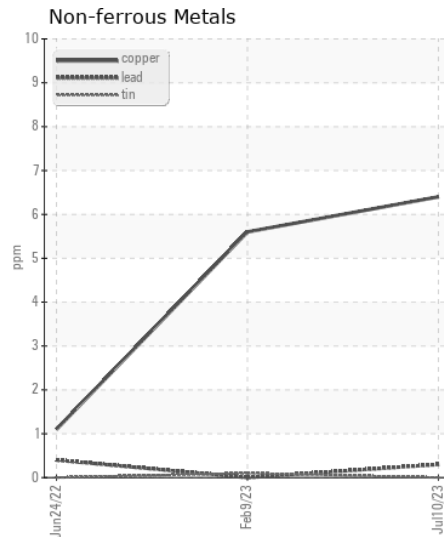
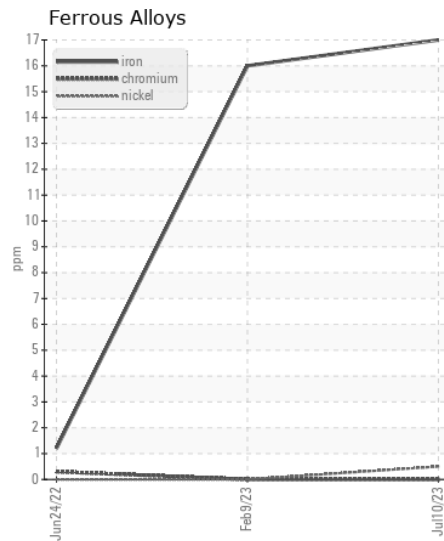
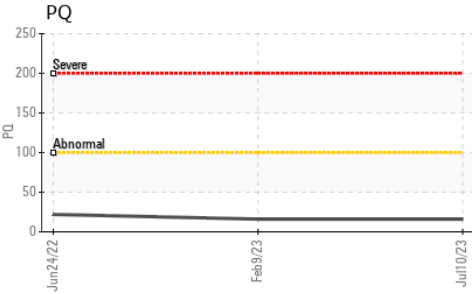
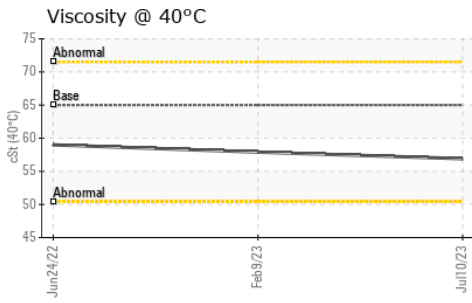
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>21	<b>&lt;1</b>	<1	2
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	<1	6
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>30	<b>0</b>	1	2
Boron	ppm	ASTM D5185m		<b>0</b>	0	2
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>2</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Magnesium	ppm	ASTM D5185m		<b>7</b>	3	2
Calcium	ppm	ASTM D5185m	87	<b>218</b>	200	91
Phosphorus	ppm	ASTM D5185m	727	<b>618</b>	602	592
Zinc	ppm	ASTM D5185m	900	<b>807</b>	763	751
Sulfur	ppm	ASTM D5185m	1500	<b>1808</b>	1895	1509
Visc @ 40°C	cSt	ASTM D445	65	<b>56.9</b>	57.9	59.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0042157 **Received** : 12 Jul 2023  
**Lab Number** : 05896376 **Tested** : 13 Jul 2023  
**Unique Number** : 10552186 **Diagnosed** : 13 Jul 2023 - Sean Felton  
**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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