



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

Machine Id  
**JOHN DEERE 850L 1T0850LXCMF392469**  
 Component  
**Hydraulic System**  
 Fluid  
**JOHN DEERE HYDRAU (--- GAL)**

### RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0211473</b>	JR0199790	JR0180203
Sample Date		Client Info		<b>22 May 2024</b>	26 Jan 2024	01 Sep 2023
Machine Age	hrs	Client Info		<b>4965</b>	4466	3961
Oil Age	hrs	Client Info		<b>0</b>	0	1976
Filter Age	hrs	Client Info		<b>0</b>	0	1976
Oil Changed		Client Info		<b>Not Chngd</b>	Not Chngd	Changed
Filter Changed		Client Info		<b>Not Chngd</b>	Not Chngd	Changed
Sample Status				<b>ABNORMAL</b>	ATTENTION	NORMAL

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>18</b>	16	12
Iron	ppm	ASTM D5185m	>20	<b>3</b>	3	3
Chromium	ppm	ASTM D5185m	>10	<b>2</b>	<1	4
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>10	<b>1</b>	2	2
Lead	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<1
Copper	ppm	ASTM D5185m	>75	<b>&lt;1</b>	<1	4
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

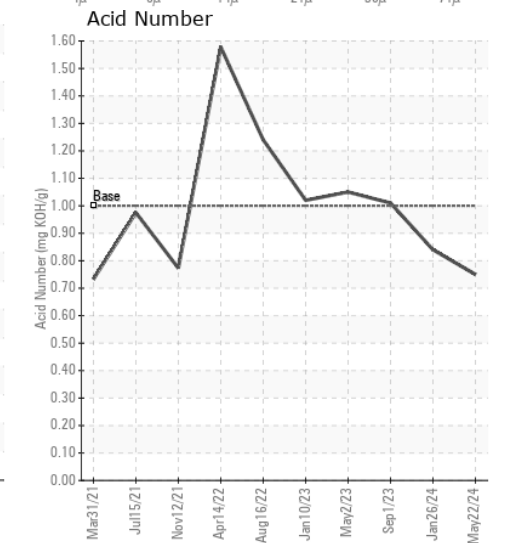
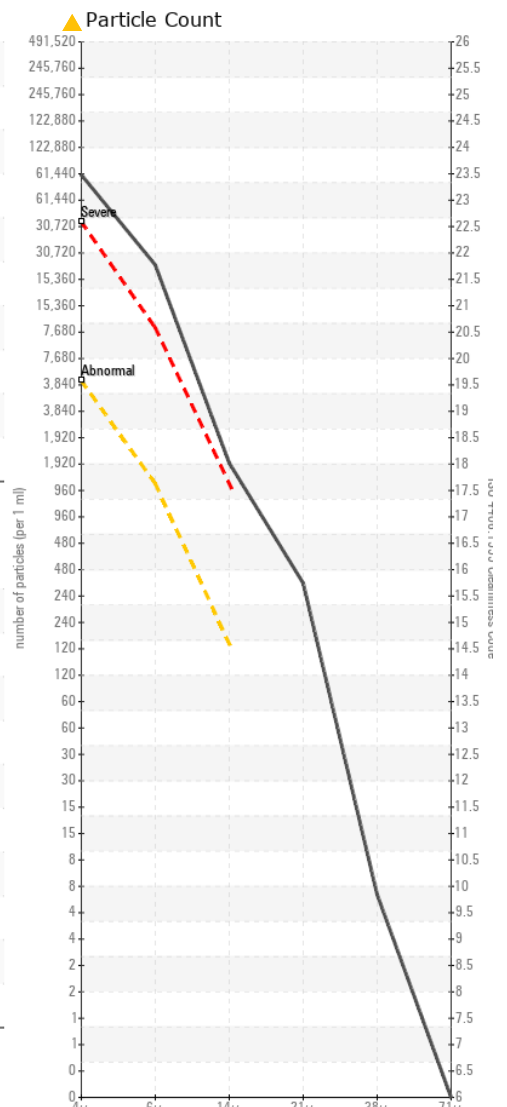
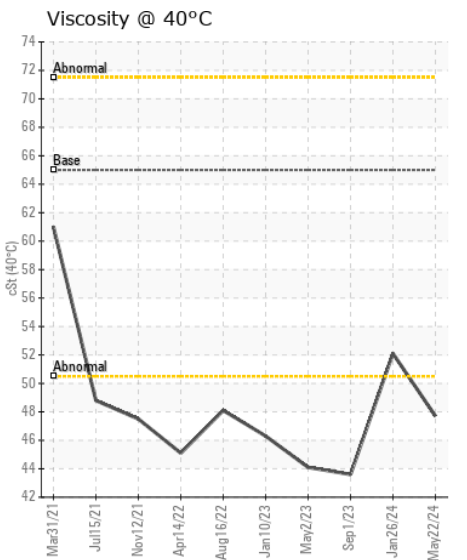
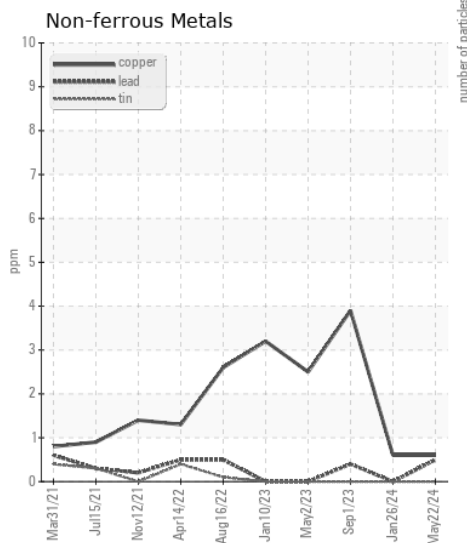
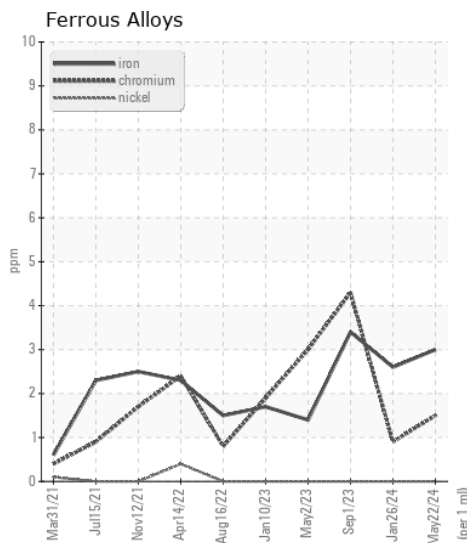
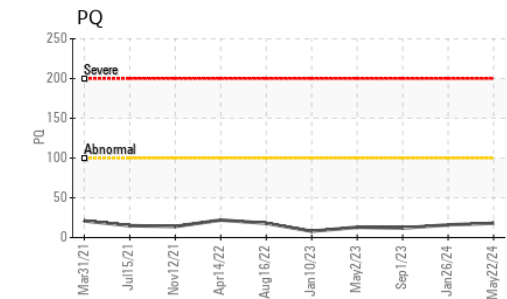
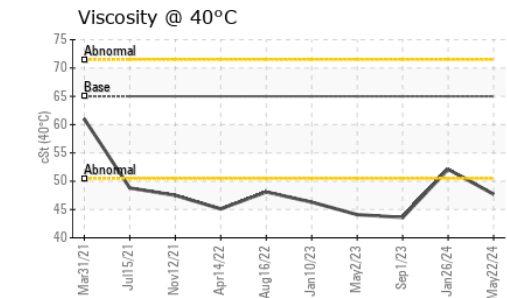
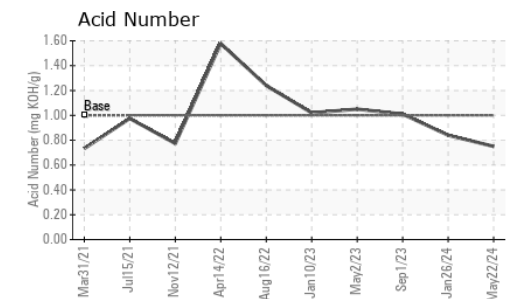
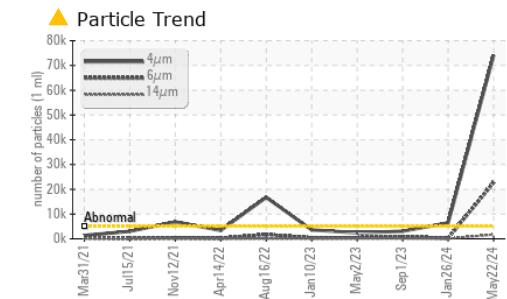
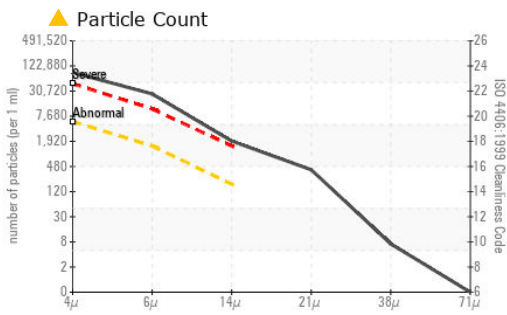
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>20	<b>4</b>	3	5
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	2
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>5000	<b>▲ 74006</b>	● 6448	3059
Particles >6µm		ASTM D7647	>1300	<b>▲ 22733</b>	284	767
Particles >14µm		ASTM D7647	>160	<b>▲ 1703</b>	21	96
Particles >21µm		ASTM D7647	>40	<b>▲ 353</b>	5	26
Particles >38µm		ASTM D7647	>10	<b>6</b>	0	1
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>▲ 23/22/18</b>	● 20/15/12	19/17/14
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	>0.1	<b>NEG</b>	NEG	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>2</b>	1	0
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	2
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	2	5
Calcium	ppm	ASTM D5185m	87	<b>754</b>	607	1265
Phosphorus	ppm	ASTM D5185m	727	<b>717</b>	630	728
Zinc	ppm	ASTM D5185m	900	<b>862</b>	791	916
Sulfur	ppm	ASTM D5185m	1500	<b>2175</b>	1737	2421
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	<b>0.75</b>	0.84	1.01
Visc @ 40°C	cSt	ASTM D445	65	<b>47.7</b>	52.1	43.6



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0211473 **Received** : 23 May 2024  
**Lab Number** : 06189110 **Tested** : 24 May 2024  
**Unique Number** : 11045862 **Diagnosed** : 28 May 2024 - Don Baldrige  
**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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