



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

Machine Id  
**JOHN DEERE 1T0310SLCGF295644**  
 Component  
**Hydraulic System**  
 Fluid  
**JOHN DEERE HYDRAU (44 QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0217684</b>	JR0172855	JR0149875
Sample Date		Client Info		<b>31 May 2024</b>	28 Apr 2023	30 Oct 2022
Machine Age	hrs	Client Info		<b>2854</b>	2510	2385
Oil Age	hrs	Client Info		<b>2345</b>	2297	2385
Filter Age	hrs	Client Info		<b>2345</b>	0	2385
Oil Changed		Client Info		<b>Not Chngd</b>	Not Chngd	Oil Added
Filter Changed		Client Info		<b>Not Chngd</b>	Not Chngd	Changed
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>20	<b>17</b>	<1	19
Chromium	ppm	ASTM D5185m	>10	<b>5</b>	2	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>0</b>	0	1
Aluminum	ppm	ASTM D5185m	>10	<b>2</b>	0	<1
Lead	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>75	<b>2</b>	<1	2
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

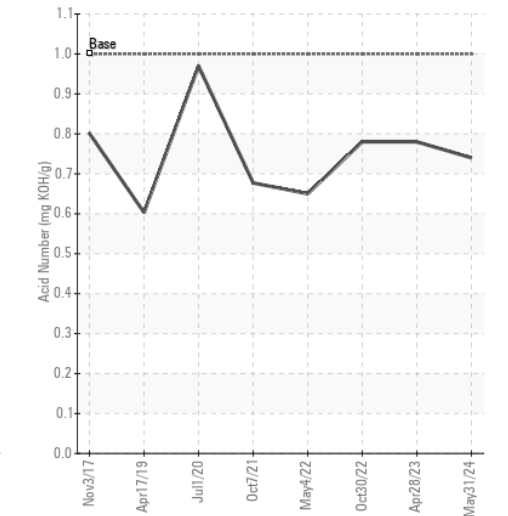
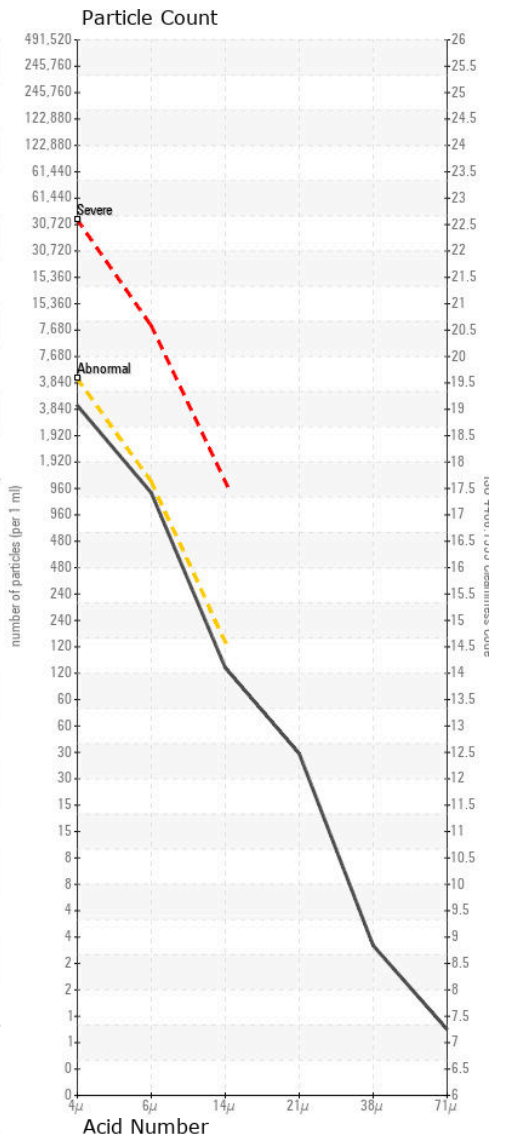
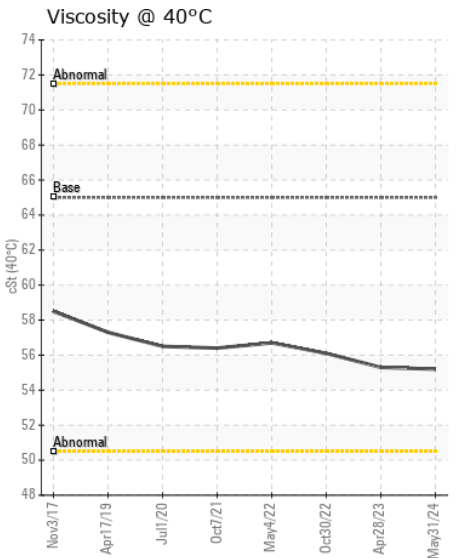
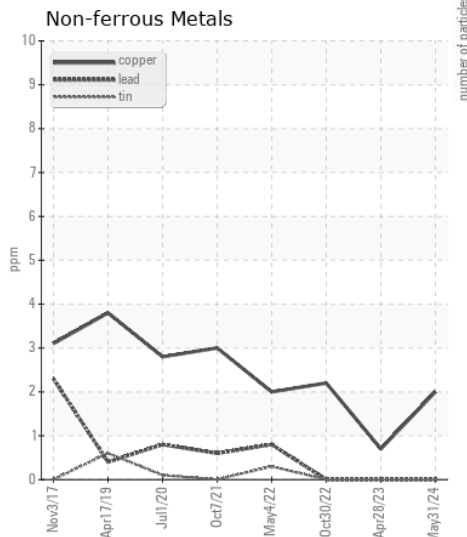
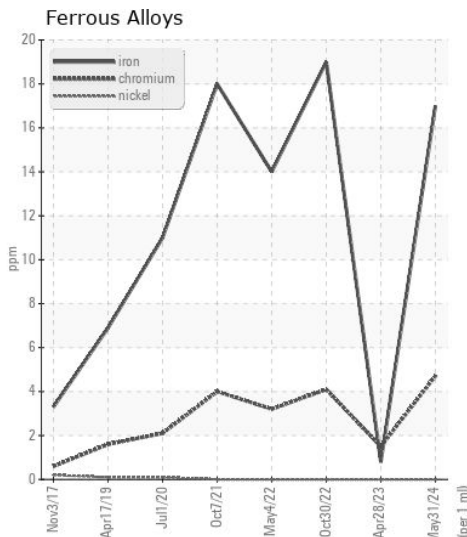
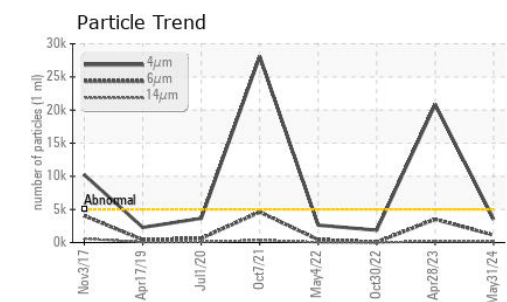
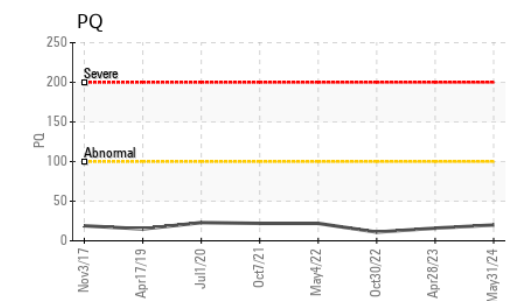
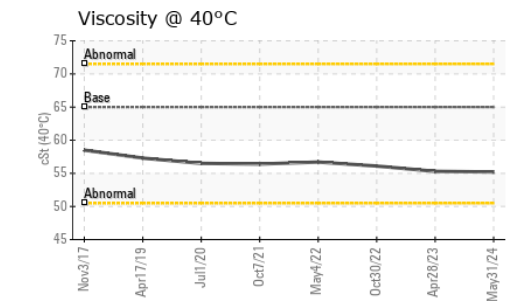
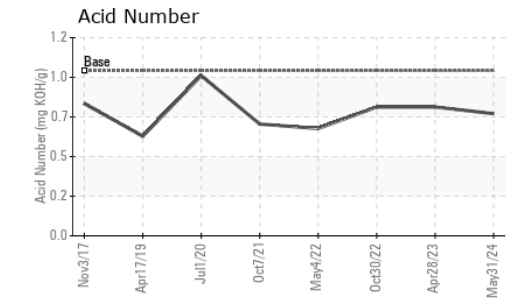
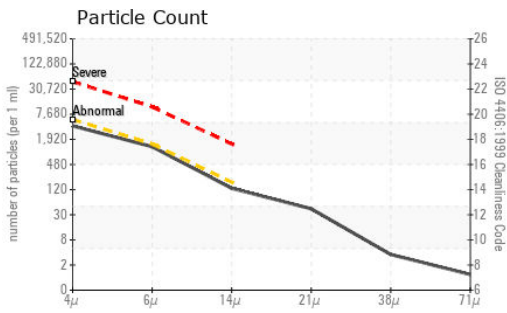
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	<b>2</b>	<1	4
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	7	0
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>5000	<b>3519</b>	▲ 20824	1866
Particles >6µm		ASTM D7647	>1300	<b>1122</b>	▲ 3518	58
Particles >14µm		ASTM D7647	>160	<b>114</b>	▲ 175	12
Particles >21µm		ASTM D7647	>40	<b>37</b>	35	4
Particles >38µm		ASTM D7647	>10	<b>3</b>	3	1
Particles >71µm		ASTM D7647	>3	<b>1</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>19/17/14</b>	▲ 22/19/15	18/13/11
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>3</b>	14	0
Boron	ppm	ASTM D5185m		<b>0</b>	0	2
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	2
Manganese	ppm	ASTM D5185m		<b>0</b>	0	1
Magnesium	ppm	ASTM D5185m		<b>7</b>	0	13
Calcium	ppm	ASTM D5185m	87	<b>239</b>	52	249
Phosphorus	ppm	ASTM D5185m	727	<b>681</b>	304	604
Zinc	ppm	ASTM D5185m	900	<b>831</b>	494	800
Sulfur	ppm	ASTM D5185m	1500	<b>1946</b>	868	1812
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	<b>0.74</b>	0.78	0.78
Visc @ 40°C	cSt	ASTM D445	65	<b>55.2</b>	55.3	56.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : JR0217684

Lab Number : 06197540

Unique Number : 11059663

Test Package : CONST ( Additional Tests: PQ )

Received : 03 Jun 2024

Tested : 04 Jun 2024

Diagnosed : 04 Jun 2024 - Don Baldrige

NPL CONSTRUCTION

7611 COPPERMINE DR

MANASSAS, VA

US 20109-2668

Contact: BRANDON

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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F: