



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

Machine Id  
**JOHN DEERE 1T0410LXLKF350371**  
 Component  
**Hydraulic System**  
 Fluid  
**JOHN DEERE HYDRAU (--- QTS)**

### RECOMMENDATION

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation.

### WEAR

All component wear rates are normal.

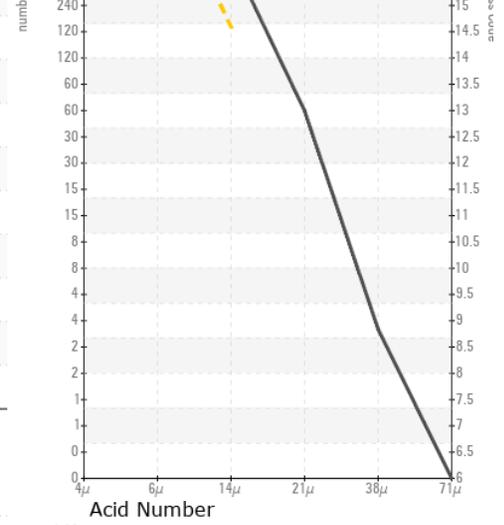
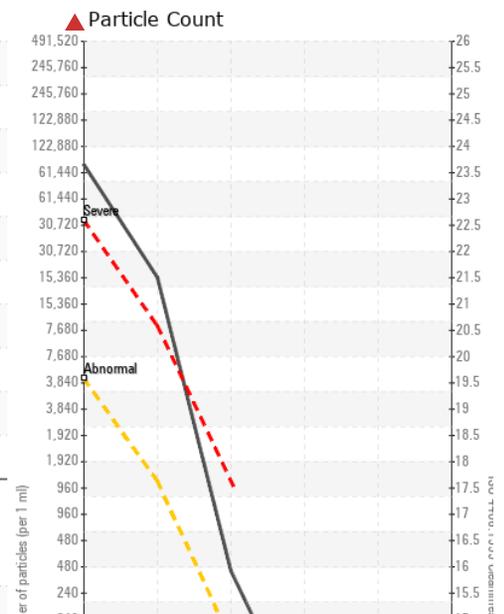
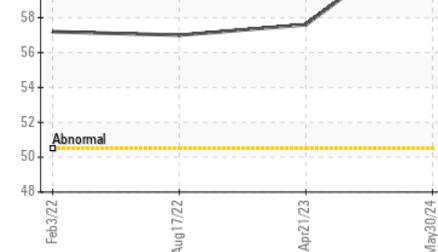
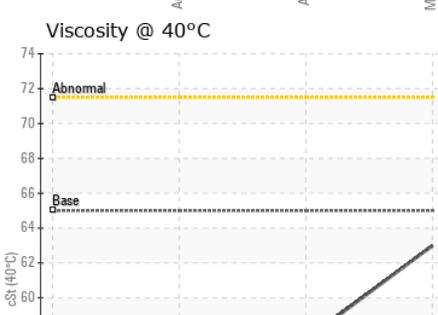
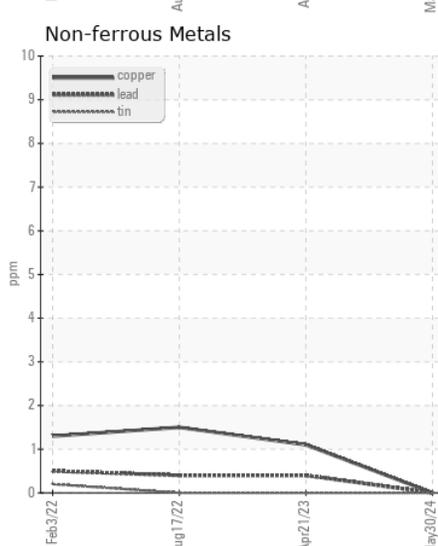
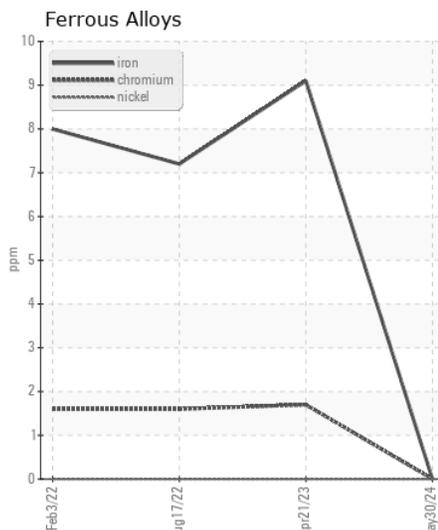
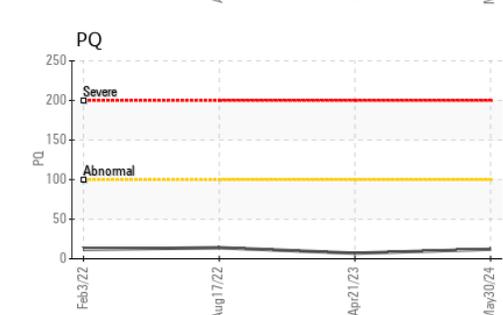
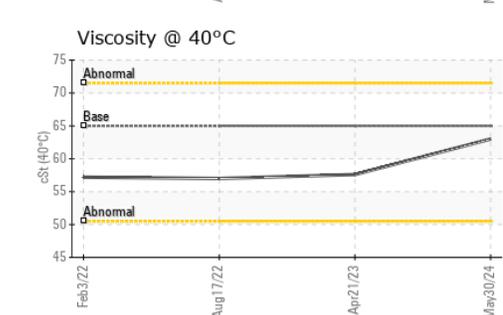
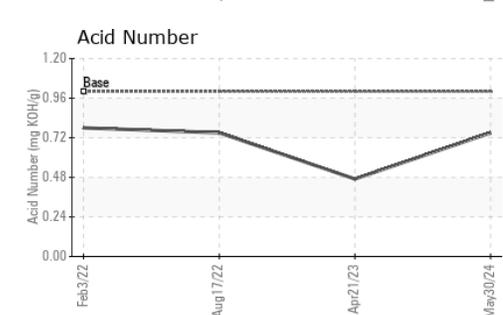
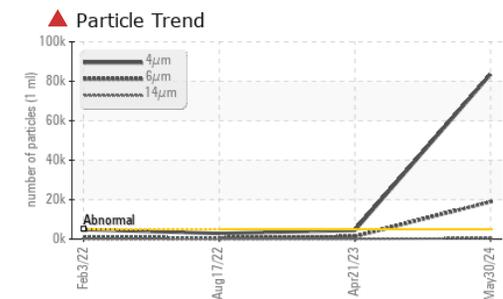
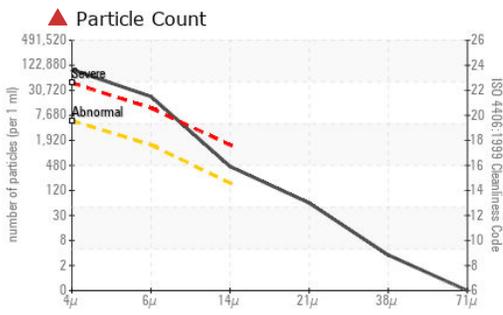
### CONTAMINATION

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

### FLUID CONDITION

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0217877</b>	JR0169109	JR0140111
Sample Date		Client Info		<b>30 May 2024</b>	21 Apr 2023	17 Aug 2022
Machine Age	hrs	Client Info		<b>1614</b>	1404	1115
Oil Age	hrs	Client Info		<b>1325</b>	289	1115
Filter Age	hrs	Client Info		<b>1325</b>	289	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Changed
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	Changed
Sample Status				<b>SEVERE</b>	NORMAL	NORMAL
PQ		ASTM D8184		<b>12</b>	7	14
Iron	ppm	ASTM D5185m	>20	<b>0</b>	9	7
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	2	2
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>&lt;1</b>	0	2
Lead	ppm	ASTM D5185m	>10	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185m	>75	<b>0</b>	1	2
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
Silicon	ppm	ASTM D5185m	>20	<b>&lt;1</b>	3	3
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	4	2
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>5000	<b>▲ 83432</b>	4372	2864
Particles >6µm		ASTM D7647	>1300	<b>▲ 18905</b>	1272	557
Particles >14µm		ASTM D7647	>160	<b>▲ 399</b>	98	7
Particles >21µm		ASTM D7647	>40	<b>53</b>	29	1
Particles >38µm		ASTM D7647	>10	<b>3</b>	1	0
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	1
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>▲ 24/21/16</b>	19/17/14	19/16/10
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
Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	0	1
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>2</b>	6	2
Calcium	ppm	ASTM D5185m	87	<b>141</b>	92	86
Phosphorus	ppm	ASTM D5185m	727	<b>689</b>	588	569
Zinc	ppm	ASTM D5185m	900	<b>848</b>	783	772
Sulfur	ppm	ASTM D5185m	1500	<b>1885</b>	1404	1425
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	<b>0.75</b>	0.47	0.75
Visc @ 40°C	cSt	ASTM D445	65	<b>63.0</b>	57.6	57.0



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0217877 **Received** : 03 Jun 2024  
**Lab Number** : 06197547 **Tested** : 04 Jun 2024  
**Unique Number** : 11059670 **Diagnosed** : 04 Jun 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**NPL CONSTRUCTION**  
 7611 COPPERMINE DR  
 MANASSAS, VA  
 US 20109-2668  
 Contact: BRANDON

Certificate L2367  
 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)