



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

Machine Id  
**JOHN DEERE 750L 1T0750LXVMF401594**

Component  
**Hydraulic System**

Fluid  
**JOHN DEERE HYDRAU (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0202767</b>	JR0163696	---
Sample Date		Client Info		<b>27 Feb 2024</b>	21 Feb 2023	---
Machine Age	hrs	Client Info		<b>2522</b>	1413	---
Oil Age	hrs	Client Info		<b>2522</b>	1413	---
Filter Age	hrs	Client Info		<b>0</b>	1413	---
Oil Changed		Client Info		<b>Not Chngd</b>	N/A	---
Filter Changed		Client Info		<b>N/A</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

**WEAR**

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>20	<b>20</b>	10	---
Chromium	ppm	ASTM D5185m	>10	<b>8</b>	5	---
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>10	<b>3</b>	2	---
Lead	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	---
Copper	ppm	ASTM D5185m	>75	<b>2</b>	3	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

**CONTAMINATION**

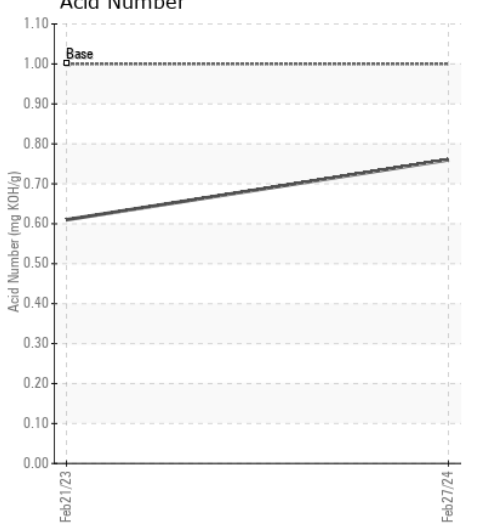
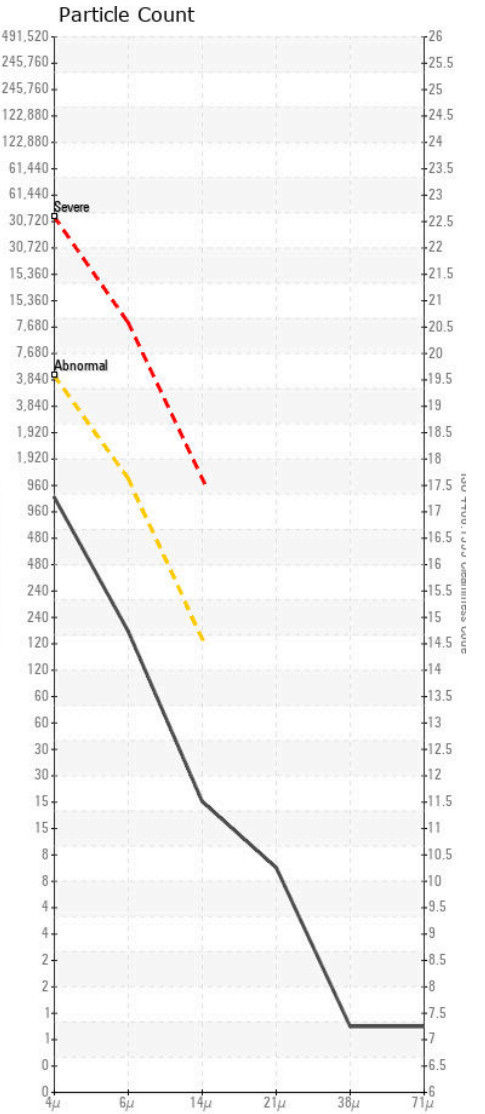
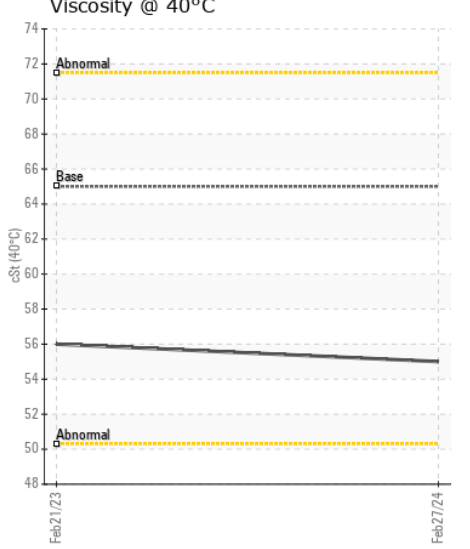
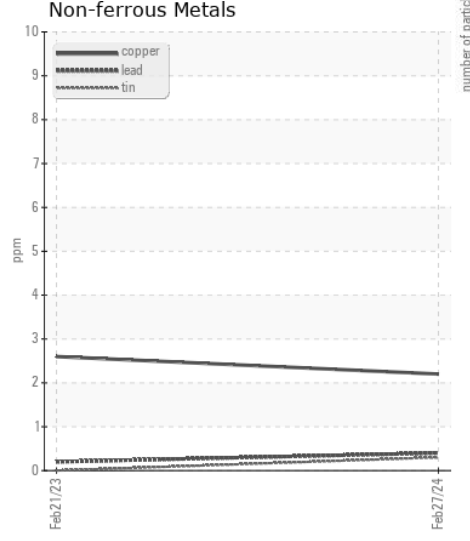
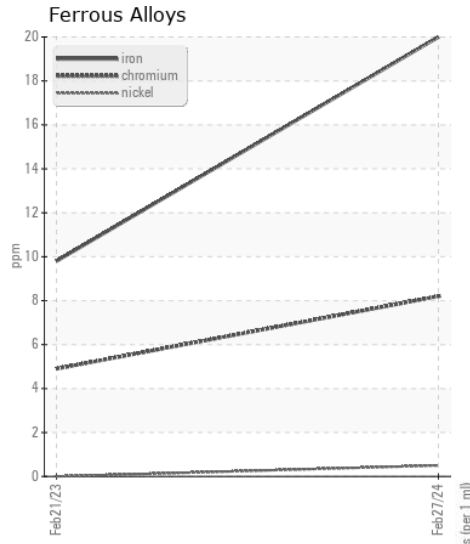
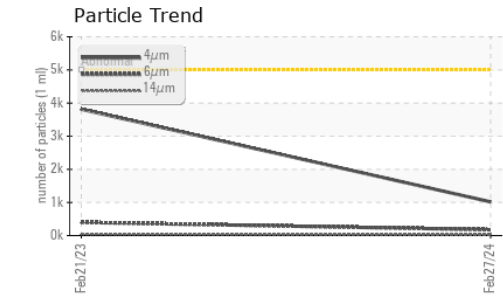
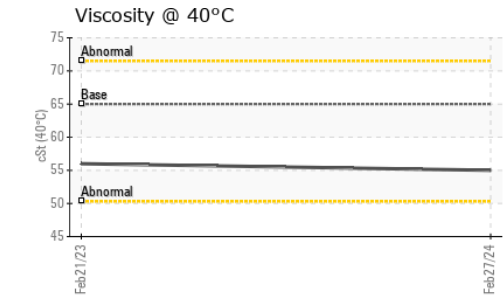
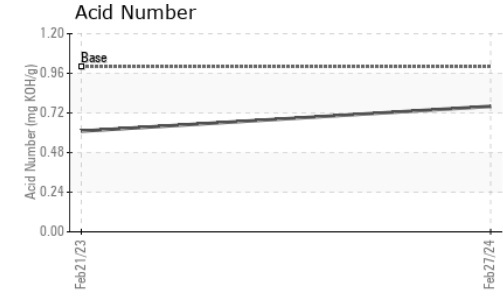
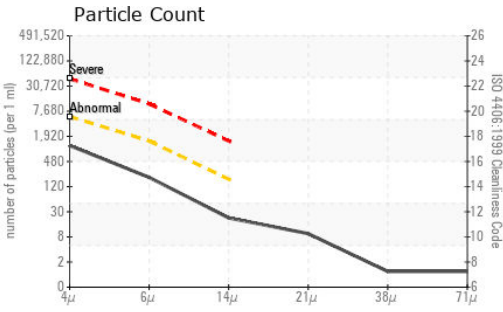
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>20	<b>5</b>	2	---
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	4	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Particles >4µm		ASTM D7647	>5000	<b>1017</b>	3813	---
Particles >6µm		ASTM D7647	>1300	<b>176</b>	399	---
Particles >14µm		ASTM D7647	>160	<b>19</b>	43	---
Particles >21µm		ASTM D7647	>40	<b>8</b>	16	---
Particles >38µm		ASTM D7647	>10	<b>1</b>	2	---
Particles >71µm		ASTM D7647	>3	<b>1</b>	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>17/15/11</b>	19/16/13	---
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	>0.1	<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		<b>1</b>	2	---
Boron	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
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>72</b>	78	---
Phosphorus	ppm	ASTM D5185m	727	<b>621</b>	593	---
Zinc	ppm	ASTM D5185m	900	<b>827</b>	769	---
Sulfur	ppm	ASTM D5185m	1500	<b>1639</b>	1760	---
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	<b>0.76</b>	0.61	---
Visc @ 40°C	cSt	ASTM D445	65	<b>55.0</b>	56.0	---



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0202767 **Received** : 29 Feb 2024  
**Lab Number** : 06104253 **Tested** : 04 Mar 2024  
**Unique Number** : 10902483 **Diagnosed** : 04 Mar 2024 - Jonathan Hester  
**Test Package** : CONST ( Additional Tests: PQ, PrtCount )

**JRE - GARNER**  
 4161 AUBURN CHURCH RD  
 GARNER, NC  
 US 27529  
 Contact: RALEIGH SHOP  
 sean.betts@jamesriverequipment.com; catherine.anastasio@wearcheck.com  
 T: (919)614-2260  
 F: (919)779-5432

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)