



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



Machine Id  
**JOHN DEERE 750K 1T0750KXJLF368013**  
 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>JR0214015</b>	JR0200652	---
Sample Date		Client Info		<b>08 Jul 2024</b>	07 Mar 2024	---
Machine Age	hrs	Client Info		<b>4489</b>	4018	---
Oil Age	hrs	Client Info		<b>4489</b>	4018	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Chngd</b>	Not Chngd	---
Filter Changed		Client Info		<b>Not Chngd</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	<b>19</b>	17	---
Iron	ppm	ASTM D5185m	>23	<b>18</b>	19	---
Chromium	ppm	ASTM D5185m	>9	<b>1</b>	<1	---
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m	>9	<b>7</b>	6	---
Lead	ppm	ASTM D5185m	>28	<b>1</b>	0	---
Copper	ppm	ASTM D5185m	>51	<b>5</b>	4	---
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

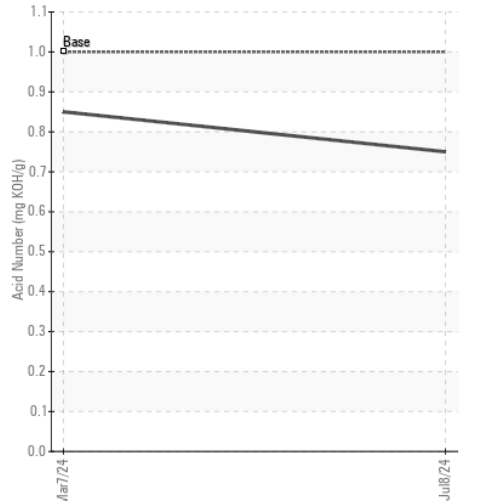
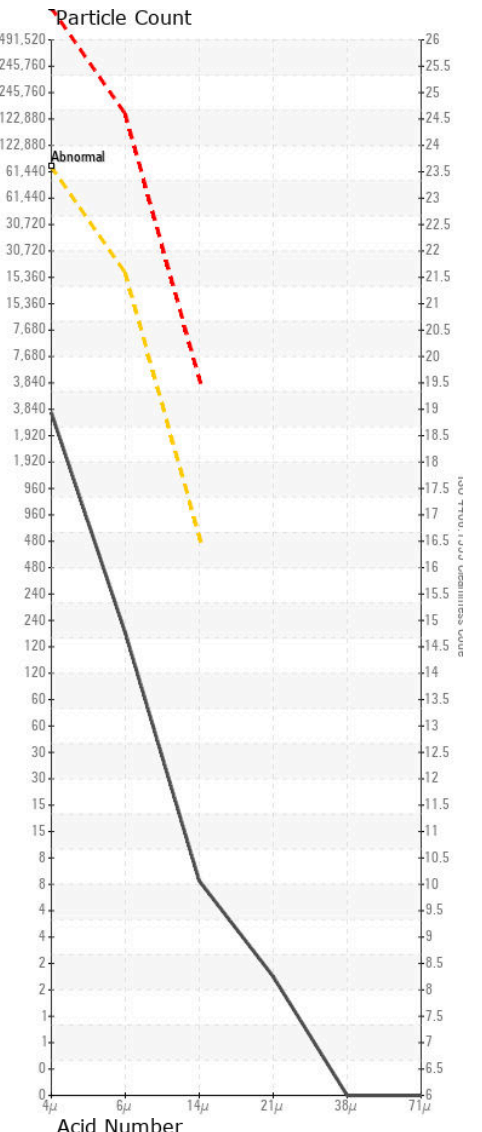
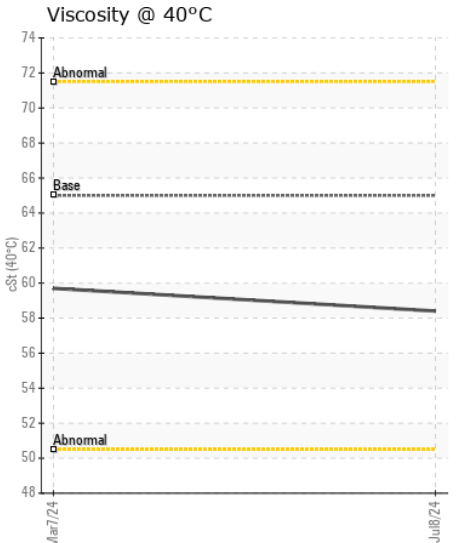
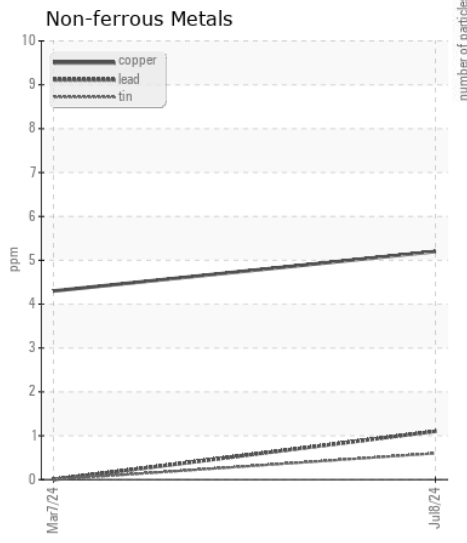
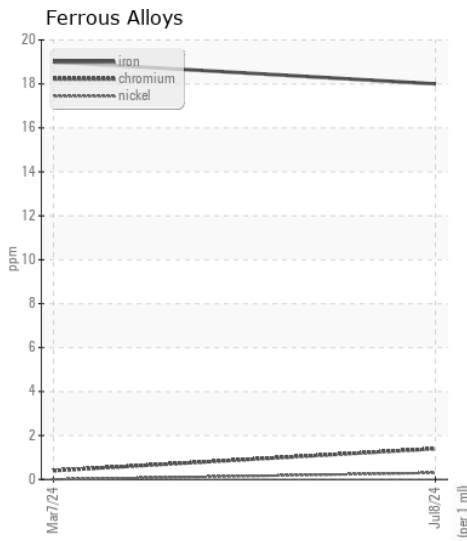
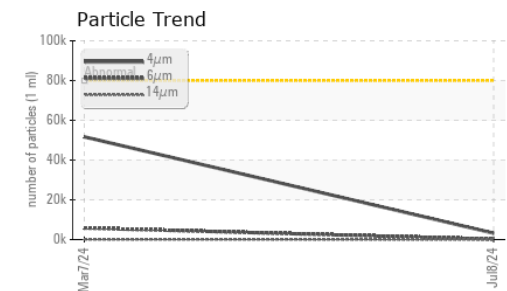
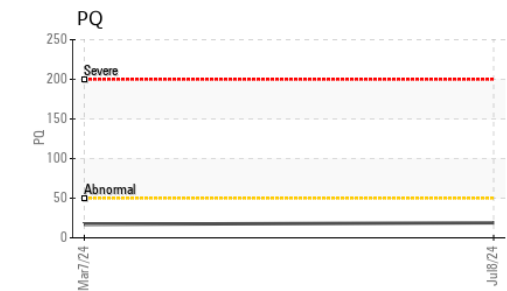
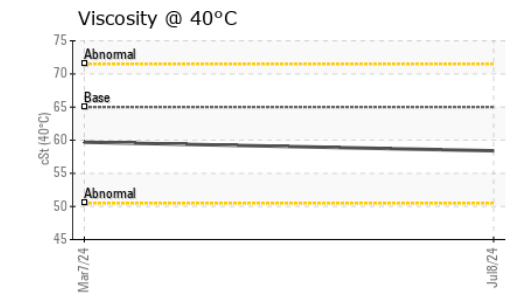
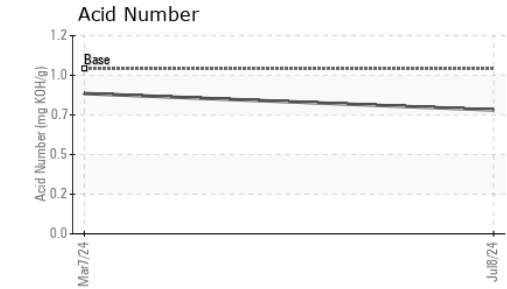
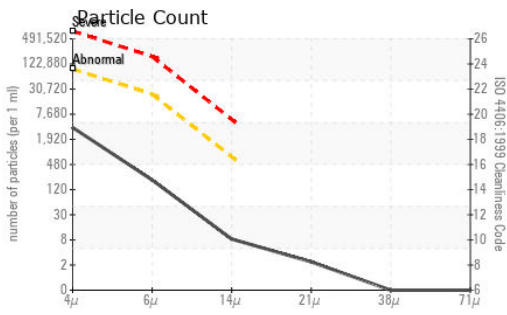
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185m	>31	<b>7</b>	6	---
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	0	---
Water		WC Method	>0.075	<b>NEG</b>	NEG	---
Particles >4µm		ASTM D7647	>80000	<b>3211</b>	51682	---
Particles >6µm		ASTM D7647	>20000	<b>180</b>	5804	---
Particles >14µm		ASTM D7647	>640	<b>7</b>	27	---
Particles >21µm		ASTM D7647	>160	<b>2</b>	3	---
Particles >38µm		ASTM D7647	>40	<b>0</b>	0	---
Particles >71µm		ASTM D7647	>10	<b>0</b>	0	---
Oil Cleanliness		ISO 4406 (c)	>23/21/16	<b>19/15/10</b>	23/20/12	---
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	>0.075	<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	>21	<b>0</b>	1	---
Boron	ppm	ASTM D5185m		<b>5</b>	4	---
Barium	ppm	ASTM D5185m		<b>1</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>7</b>	7	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Magnesium	ppm	ASTM D5185m		<b>5</b>	0	---
Calcium	ppm	ASTM D5185m	87	<b>218</b>	231	---
Phosphorus	ppm	ASTM D5185m	727	<b>674</b>	583	---
Zinc	ppm	ASTM D5185m	900	<b>873</b>	765	---
Sulfur	ppm	ASTM D5185m	1500	<b>1772</b>	1767	---
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	<b>0.75</b>	0.85	---
Visc @ 40°C	cSt	ASTM D445	65	<b>58.4</b>	59.7	---



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0214015 **Received** : 09 Jul 2024  
**Lab Number** : 06231387 **Tested** : 10 Jul 2024  
**Unique Number** : 11114880 **Diagnosed** : 10 Jul 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - GREENVILLE**  
 3604 HIGHWAY 264 E  
 GREENVILLE, NC  
 US 27834-5800

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)

Contact: GREENVILLE SHOP  
christopher.martin@jamesriverequipment.com

T:  
F: