



WEAR  
CONTAMINATION  
FLUID CONDITION

**ATTENTION**  
**SEVERE**  
**NORMAL**

Machine Id  
**JOHN DEERE 750L 1T0750LXCMF401593**  
Component  
**Left Outer Final Drive**  
Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (16 QTS)**

### RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0206236</b>	JR0077655	JR0121770
Sample Date		Client Info		<b>15 Apr 2024</b>	26 May 2022	16 Mar 2022
Machine Age	hrs	Client Info		<b>102078</b>	1076	824
Oil Age	hrs	Client Info		<b>102078</b>	0	824
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	N/A	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>SEVERE</b>	ABNORMAL	ABNORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>319</b>	245	264
Iron	ppm	ASTM D5185m	>750	<b>453</b>	311	298
Chromium	ppm	ASTM D5185m	>9	<b>3</b>	2	2
Nickel	ppm	ASTM D5185m	>10	<b>5</b>	3	2
Titanium	ppm	ASTM D5185m		<b>6</b>	2	2
Silver	ppm	ASTM D5185m		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>40	<b>73</b>	22	23
Lead	ppm	ASTM D5185m	>15	<b>1</b>	<1	<1
Copper	ppm	ASTM D5185m	>40	<b>2</b>	1	1
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

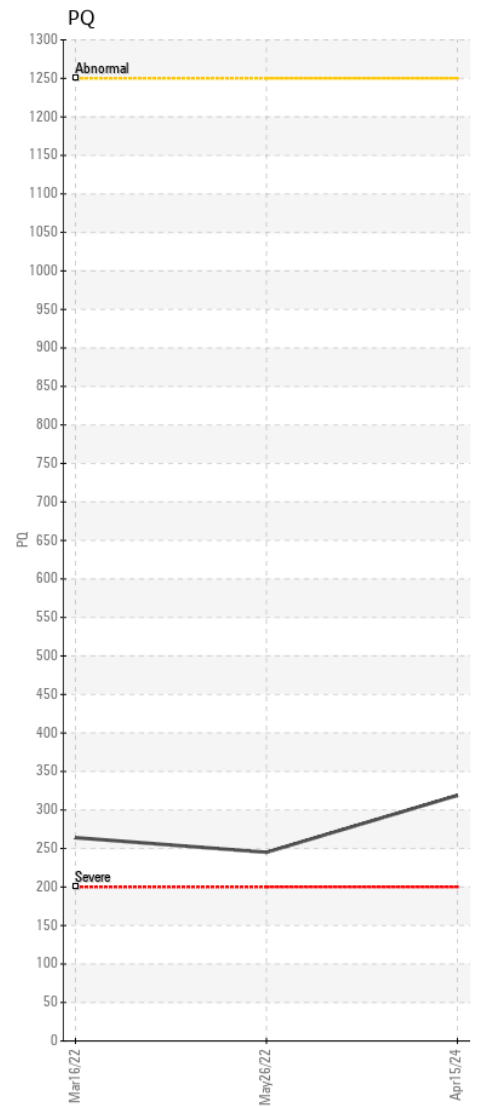
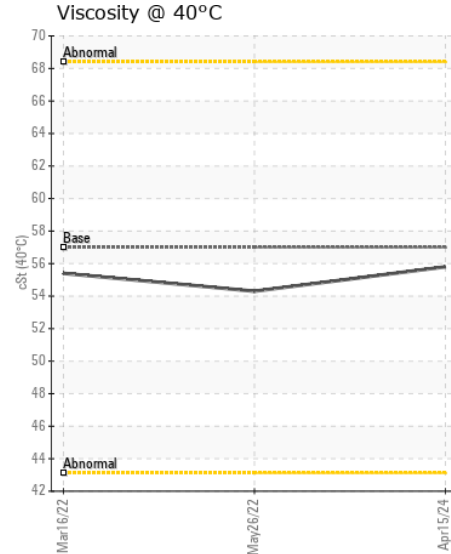
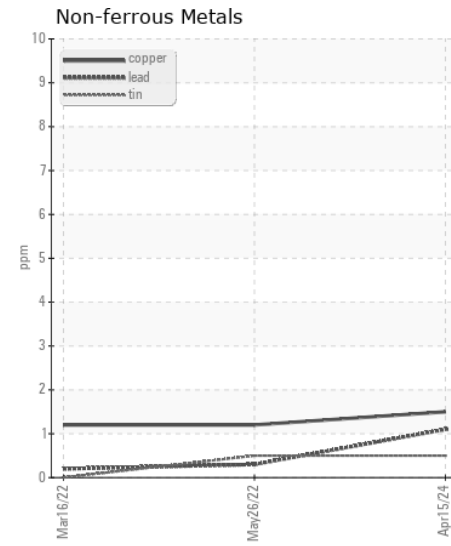
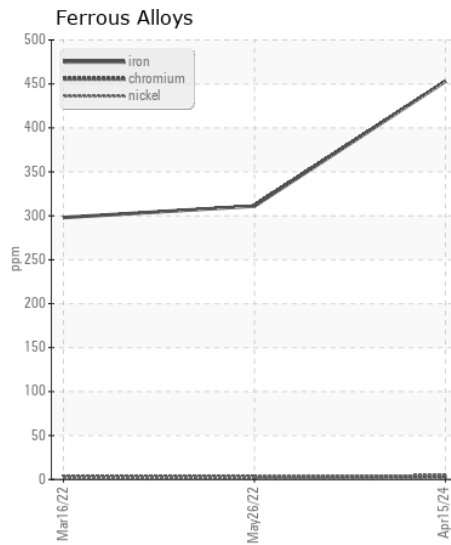
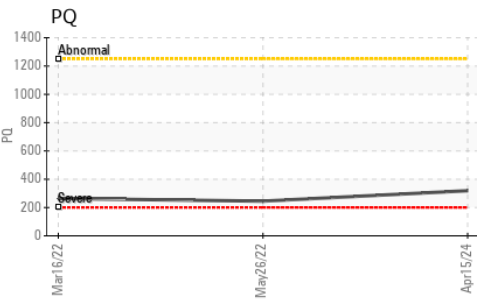
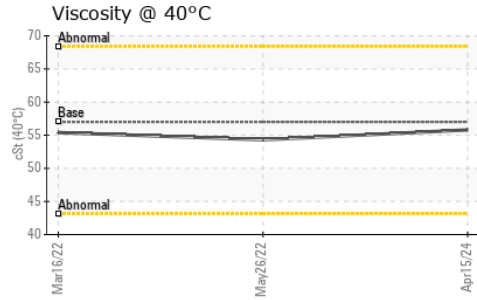
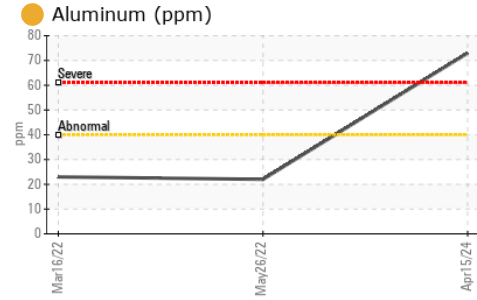
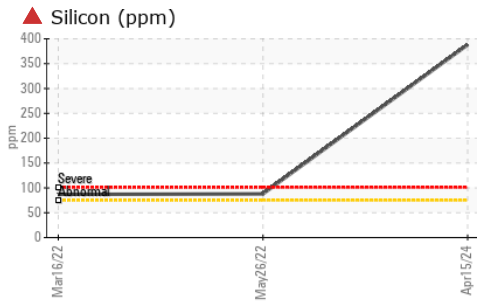
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	<b>388</b>	88	87
Potassium	ppm	ASTM D5185m	>20	<b>18</b>	8	11
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
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	>0.075	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185m	>51	<b>11</b>	6	4
Boron	ppm	ASTM D5185m	6	<b>0</b>	4	2
Barium	ppm	ASTM D5185m	0	<b>2</b>	<1	0
Molybdenum	ppm	ASTM D5185m	0	<b>2</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>5</b>	3	3
Magnesium	ppm	ASTM D5185m	145	<b>128</b>	100	114
Calcium	ppm	ASTM D5185m	3570	<b>4534</b>	3414	3828
Phosphorus	ppm	ASTM D5185m	1290	<b>1377</b>	980	1143
Zinc	ppm	ASTM D5185m	1640	<b>1617</b>	1160	1395
Sulfur	ppm	ASTM D5185m		<b>5180</b>	3785	4086
Visc @ 40°C	cSt	ASTM D445	57.0	<b>55.8</b>	54.3	55.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0206236 **Received** : 18 Apr 2024  
**Lab Number** : 06153418 **Tested** : 19 Apr 2024  
**Unique Number** : 10983496 **Diagnosed** : 22 Apr 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - CHARLOTTE**  
 9550 STATESVILLE ROAD  
 CHARLOTTE, NC  
 US 28269

Contact: CHARLOTTE SHOP  
 myoung@jamesriverequipment.com

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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