



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

Machine Id  
**JOHN DEERE 750K 1T0750KXVLF368015**  
 Component  
**Left Outer Final Drive**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (14 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. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0213006</b>	JR0197704	JR0133210
Sample Date		Client Info		<b>18 Apr 2024</b>	26 Dec 2023	14 Jul 2022
Machine Age	hrs	Client Info		<b>5965</b>	5514	3615
Oil Age	hrs	Client Info		<b>4307</b>	5514	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>207</b>	252	223
Iron	ppm	ASTM D5185m	>750	<b>407</b>	6	311
Chromium	ppm	ASTM D5185m	>9	<b>2</b>	<1	1
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>1</b>	0	1
Silver	ppm	ASTM D5185m		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>40	<b>26</b>	2	25
Lead	ppm	ASTM D5185m	>15	<b>0</b>	1	<1
Copper	ppm	ASTM D5185m	>40	<b>3</b>	1	<1
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>MODER</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

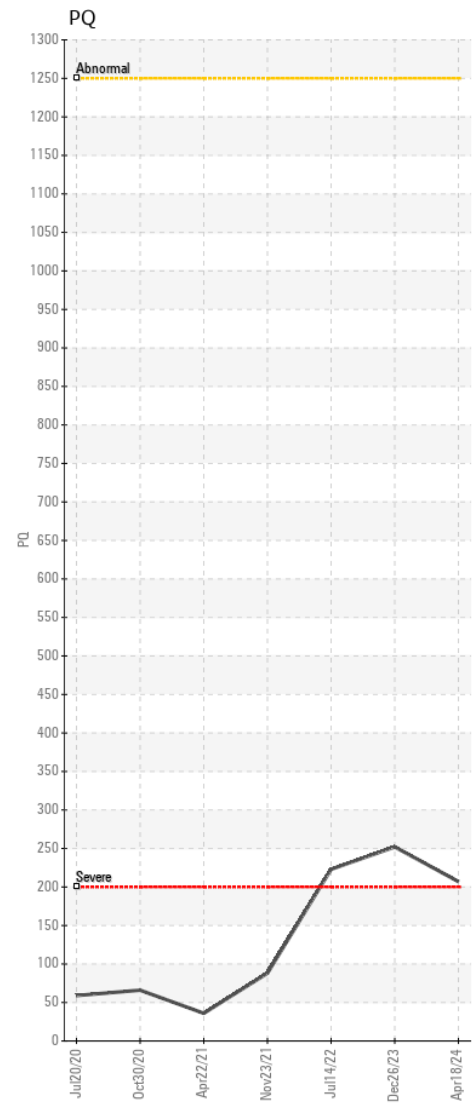
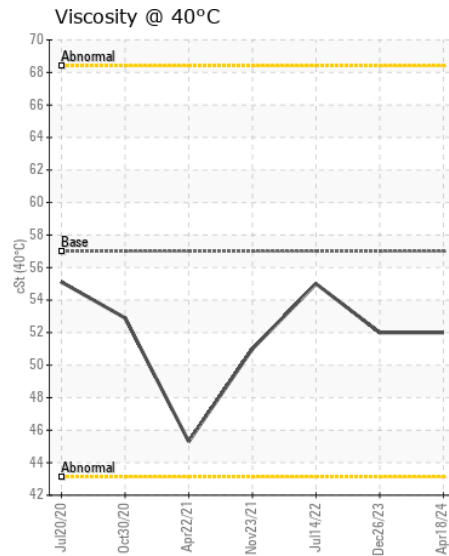
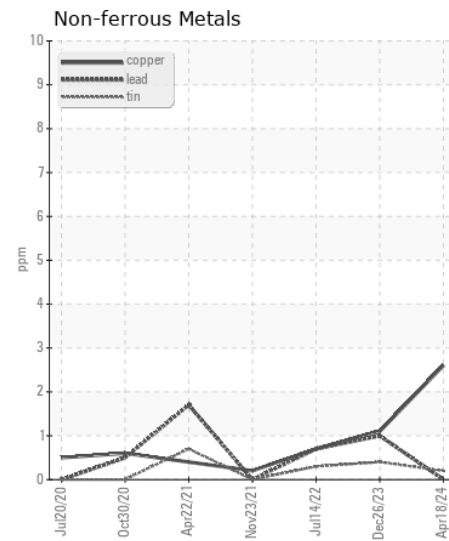
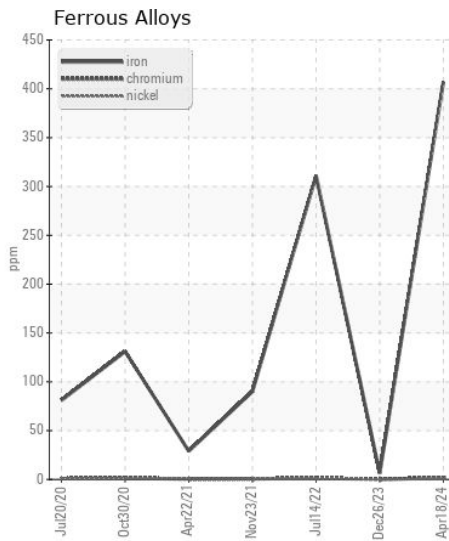
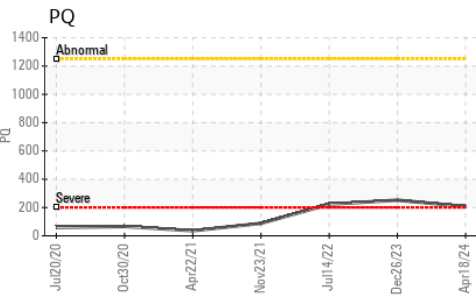
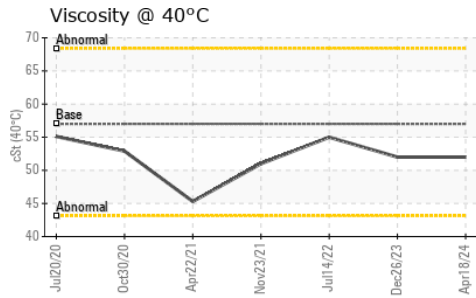
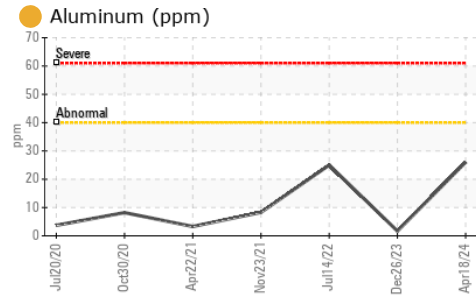
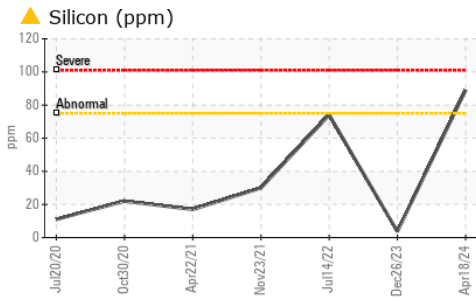
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	<b>89</b>	4	74
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	1	1
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>MODER</b>	MODER	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 condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<b>3</b>	2	<1
Boron	ppm	ASTM D5185m	6	<b>1</b>	11	0
Barium	ppm	ASTM D5185m	0	<b>2</b>	0	4
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	62	<1
Manganese	ppm	ASTM D5185m		<b>4</b>	<1	2
Magnesium	ppm	ASTM D5185m	145	<b>106</b>	860	99
Calcium	ppm	ASTM D5185m	3570	<b>3551</b>	1053	3562
Phosphorus	ppm	ASTM D5185m	1290	<b>1072</b>	990	997
Zinc	ppm	ASTM D5185m	1640	<b>1245</b>	1176	1255
Sulfur	ppm	ASTM D5185m		<b>4013</b>	2921	4022
Visc @ 40°C	cSt	ASTM D445	57.0	<b>52.0</b>	52.0	55.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0213006 **Received** : 22 Apr 2024  
**Lab Number** : 06156237 **Tested** : 23 Apr 2024  
**Unique Number** : 10991660 **Diagnosed** : 24 Apr 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - GARNER**  
 4161 AUBURN CHURCH RD  
 GARNER, NC  
 US 27529

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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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