



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

Area

**[05W48057]**

Machine Id

**JOHN DEERE 750L 1T0750LXCNF430917**

Component

**Right Outer Final Drive**

Fluid

**JOHN DEERE HY-GARD HYD/TRANS (16 QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0226420</b>	JR0210990	JR0195801
Sample Date		Client Info		<b>12 Jul 2024</b>	08 Apr 2024	08 Dec 2023
Machine Age	hrs	Client Info		<b>2962</b>	2480	1441
Oil Age	hrs	Client Info		<b>992</b>	510	1441
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Chngd	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	None
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>88</b>	96	229
Iron	ppm	ASTM D5185m	>750	<b>169</b>	107	393
Chromium	ppm	ASTM D5185m	>9	<b>1</b>	<1	2
Nickel	ppm	ASTM D5185m	>10	<b>2</b>	<1	3
Titanium	ppm	ASTM D5185m		<b>2</b>	1	3
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>22</b>	16	34
Lead	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	<1
Copper	ppm	ASTM D5185m	>40	<b>2</b>	<1	<1
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

### CONTAMINATION

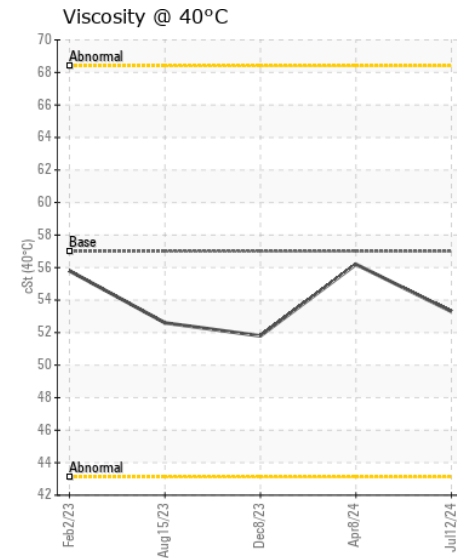
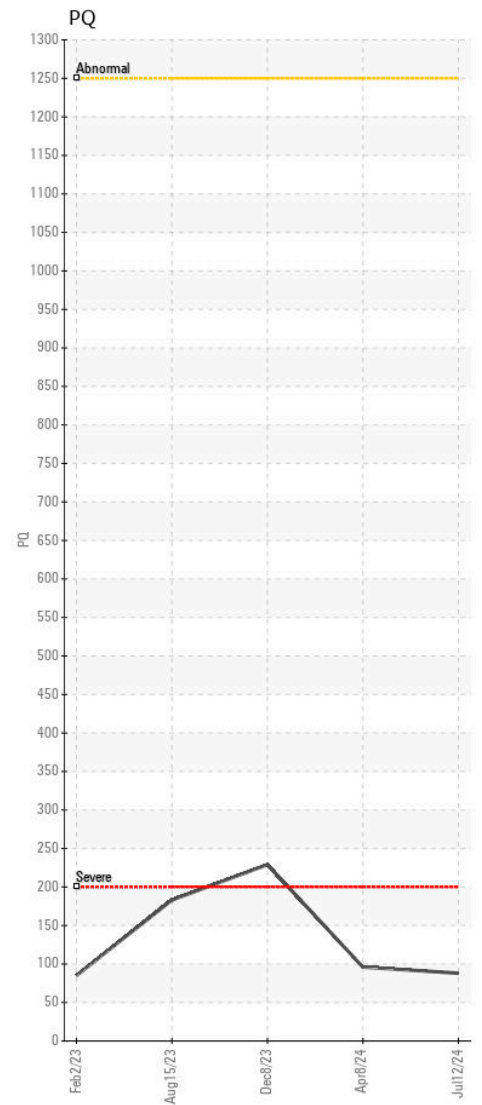
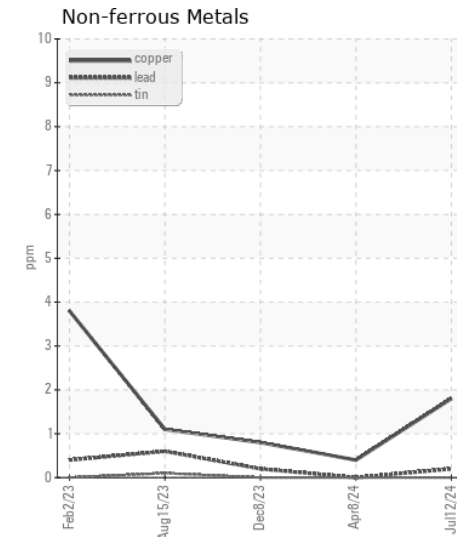
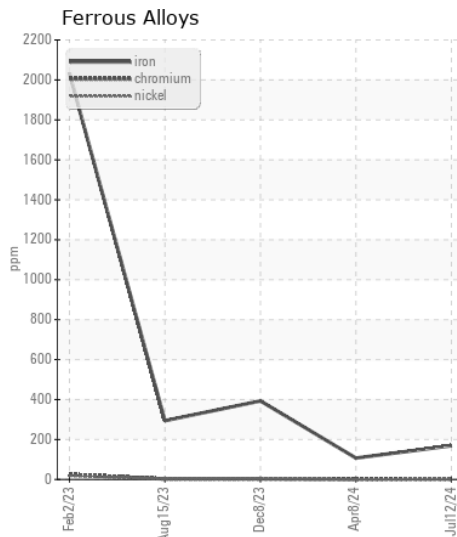
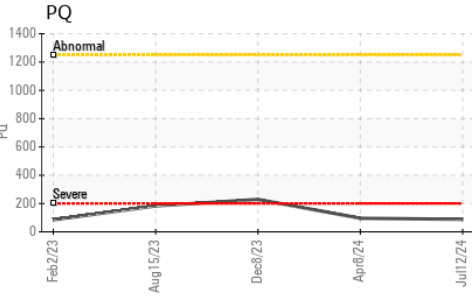
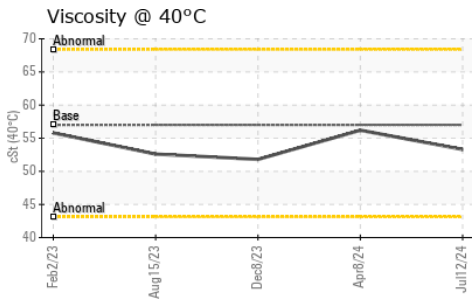
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>66</b>	54	108
Potassium	ppm	ASTM D5185m	>20	<b>10</b>	9	8
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>LIGHT</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 condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<b>&lt;1</b>	0	<1
Boron	ppm	ASTM D5185m	6	<b>10</b>	9	<1
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>5</b>	7	<1
Manganese	ppm	ASTM D5185m		<b>3</b>	<1	4
Magnesium	ppm	ASTM D5185m	145	<b>117</b>	115	111
Calcium	ppm	ASTM D5185m	3570	<b>3462</b>	3531	3698
Phosphorus	ppm	ASTM D5185m	1290	<b>1062</b>	1195	1065
Zinc	ppm	ASTM D5185m	1640	<b>1261</b>	1277	1323
Sulfur	ppm	ASTM D5185m		<b>3512</b>	4231	4338
Visc @ 40°C	cSt	ASTM D445	57.0	<b>53.3</b>	56.2	51.8



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : JR0226420

**Lab Number** : 06236392

**Unique Number** : 11125226

**Test Package** : CONST ( Additional Tests: PQ )

**Received** : 15 Jul 2024

**Tested** : 16 Jul 2024

**Diagnosed** : 16 Jul 2024 - Wes Davis

**JRE - MANASSAS PARK**

9107 OWENS DRIVE

MANASSAS PARK, VA

US 20111

Contact: TECHNICIAN ACCOUNT

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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)