



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

Area

**[05W48057]**

Machine Id

**JOHN DEERE 750L 1T0750LXCNF430917**

Component

**Left 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>JR0226417</b>	JR0210987	JR0195950
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>64</b>	67	131
Iron	ppm	ASTM D5185m	>750	<b>104</b>	70	177
Chromium	ppm	ASTM D5185m	>9	<b>1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>10	<b>2</b>	<1	1
Titanium	ppm	ASTM D5185m		<b>1</b>	<1	2
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>11</b>	8	24
Lead	ppm	ASTM D5185m	>15	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>40	<b>2</b>	<1	0
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

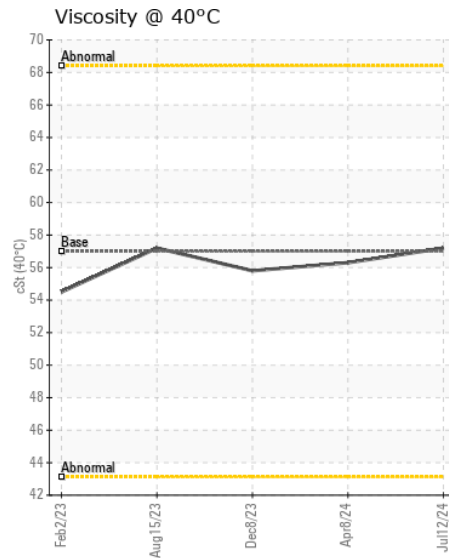
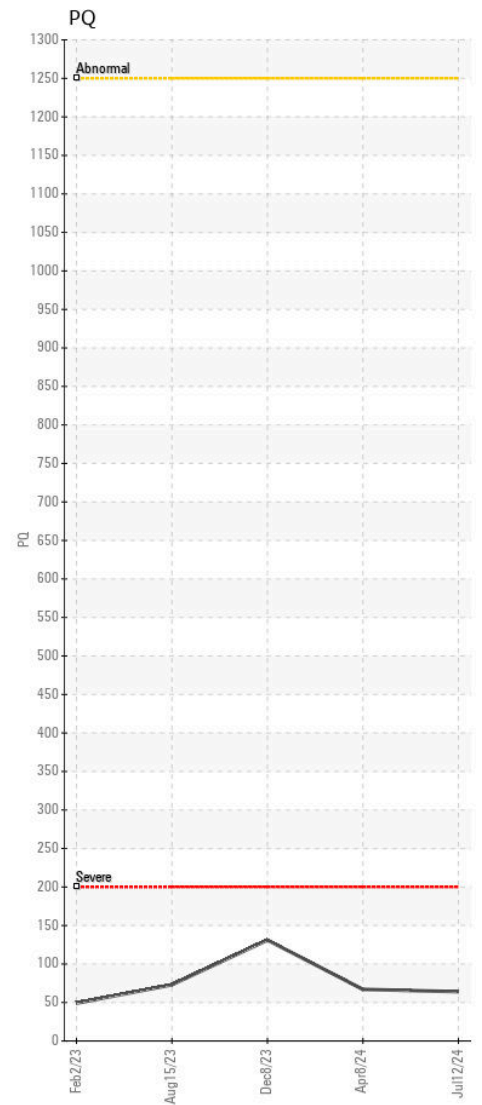
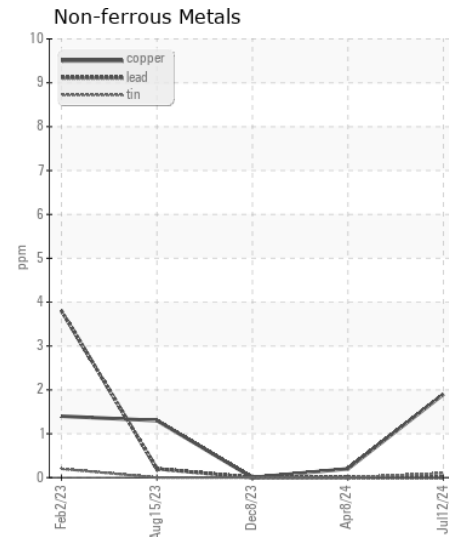
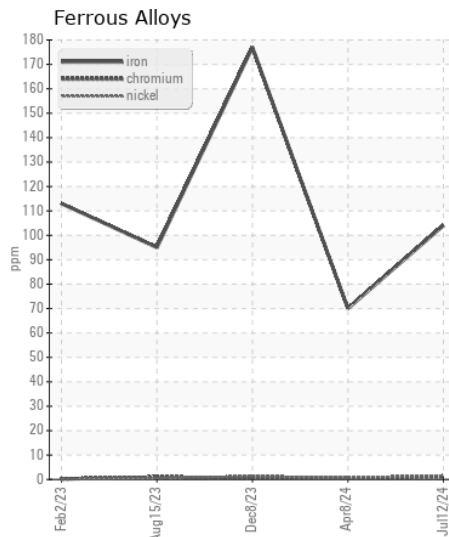
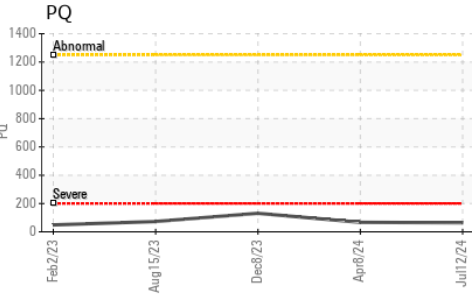
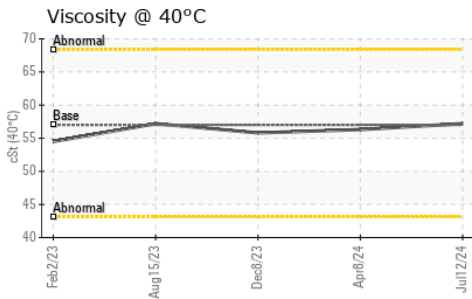
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>46</b>	36	▲ 89
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	6	7
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	0
Boron	ppm	ASTM D5185m	6	<b>10</b>	6	5
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>5</b>	5	5
Manganese	ppm	ASTM D5185m		<b>2</b>	<1	1
Magnesium	ppm	ASTM D5185m	145	<b>117</b>	113	116
Calcium	ppm	ASTM D5185m	3570	<b>3456</b>	3476	3379
Phosphorus	ppm	ASTM D5185m	1290	<b>1112</b>	1194	969
Zinc	ppm	ASTM D5185m	1640	<b>1277</b>	1259	1229
Sulfur	ppm	ASTM D5185m		<b>3646</b>	4735	4111
Visc @ 40°C	cSt	ASTM D445	57.0	<b>57.2</b>	56.3	55.8



Certificate L2367

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

**Sample No.** : JR0226417

**Lab Number** : 06236413

**Unique Number** : 11125247

**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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T:

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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