



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

Area  
**[05W47813]**  
 Machine Id  
**JOHN DEERE 410L 1T0410LXLKF350838**  
 Component  
**Transmission (Manual)**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (4 GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0225712</b>	JR0160165	JR0106762
Sample Date		Client Info		<b>28 Jun 2024</b>	31 Jan 2023	15 Feb 2022
Machine Age	hrs	Client Info		<b>2167</b>	1290	1008
Oil Age	hrs	Client Info		<b>1159</b>	1290	0
Filter Age	hrs	Client Info		<b>1159</b>	250	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Filter Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>95	<b>18</b>	13	18
Iron	ppm	ASTM D5185m	>200	<b>28</b>	24	35
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	>7	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>5</b>	4	6
Lead	ppm	ASTM D5185m	>45	<b>2</b>	2	3
Copper	ppm	ASTM D5185m	>225	<b>34</b>	11	18
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	<1
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

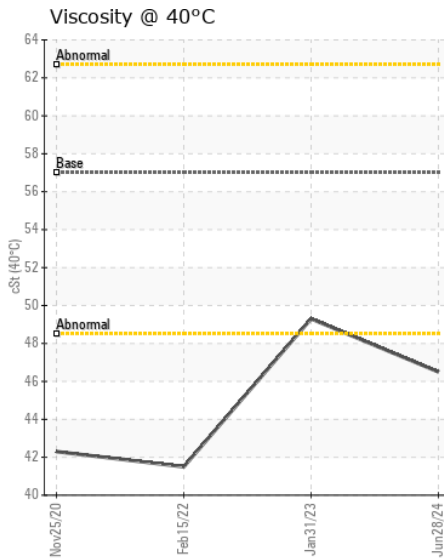
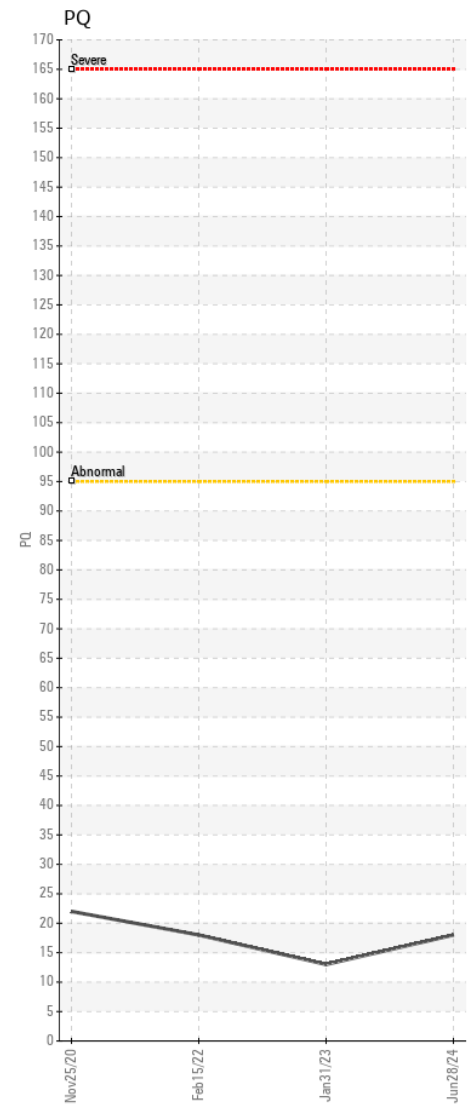
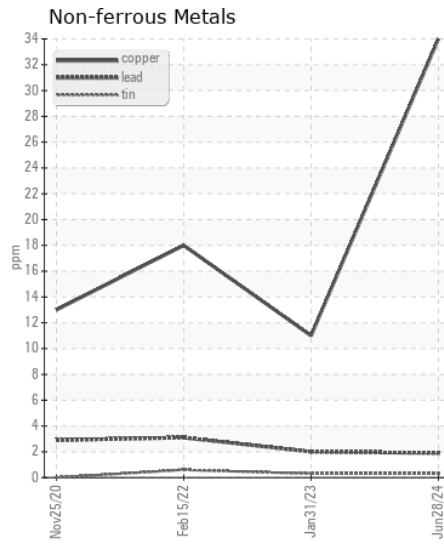
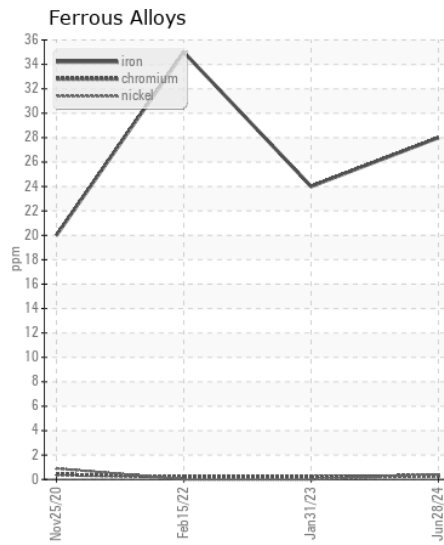
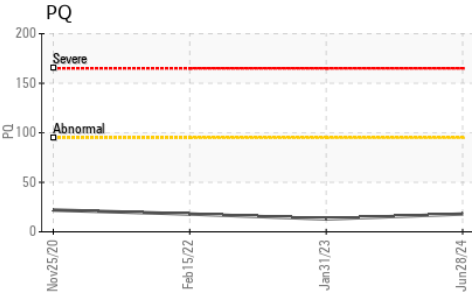
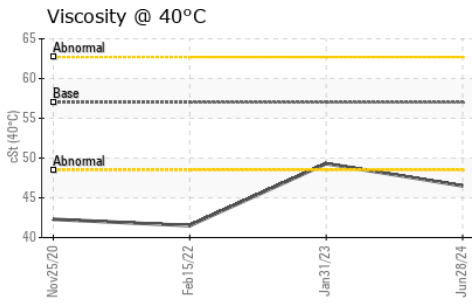
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	<b>4</b>	4	5
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	0	0
Water		WC Method	>0.1	<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	>0.1	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>4</b>	2	5
Boron	ppm	ASTM D5185m	6	<b>10</b>	5	21
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>1</b>	<1	1
Manganese	ppm	ASTM D5185m		<b>1</b>	1	2
Magnesium	ppm	ASTM D5185m	145	<b>88</b>	95	94
Calcium	ppm	ASTM D5185m	3570	<b>3424</b>	3514	3817
Phosphorus	ppm	ASTM D5185m	1290	<b>935</b>	947	1080
Zinc	ppm	ASTM D5185m	1640	<b>1237</b>	1179	1287
Sulfur	ppm	ASTM D5185m		<b>3476</b>	3826	3165
Visc @ 40°C	cSt	ASTM D445	57.0	<b>46.5</b>	49.3	41.5



Certificate L2367

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

**Sample No.** : JR0225712

**Lab Number** : 06224713

**Unique Number** : 11102910

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

**Received** : 01 Jul 2024

**Tested** : 02 Jul 2024

**Diagnosed** : 02 Jul 2024 - Don Baldrige

**JRE - MANASSAS PARK**

9107 OWENS DRIVE

MANASSAS PARK, VA

US 20111

Contact: DON VEST

dvest@jamesriverequipment.com

T: (703)631-8500

F: (703)631-4715

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)