



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

Area

**[05W47911]**

Machine Id

**JOHN DEERE 624L 1DW624LTLLF708606**

Component

**Transmission (Manual)**

Fluid

**JOHN DEERE HY-GARD HYD/TRANS (23 QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0225704</b>	JR0211029	JR0203331
Sample Date		Client Info		<b>29 Jun 2024</b>	20 Apr 2024	12 Feb 2024
Machine Age	hrs	Client Info		<b>8614</b>	8049	7517
Oil Age	hrs	Client Info		<b>565</b>	2000	1500
Filter Age	hrs	Client Info		<b>565</b>	2000	1500
Oil Changed		Client Info		<b>Not Changed</b>	Changed	Not Changed
Filter Changed		Client Info		<b>Not Changed</b>	Changed	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>95	<b>15</b>	15	18
Iron	ppm	ASTM D5185m	>200	<b>10</b>	18	18
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m	>7	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>1</b>	2	1
Lead	ppm	ASTM D5185m	>45	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>225	<b>&lt;1</b>	3	3
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

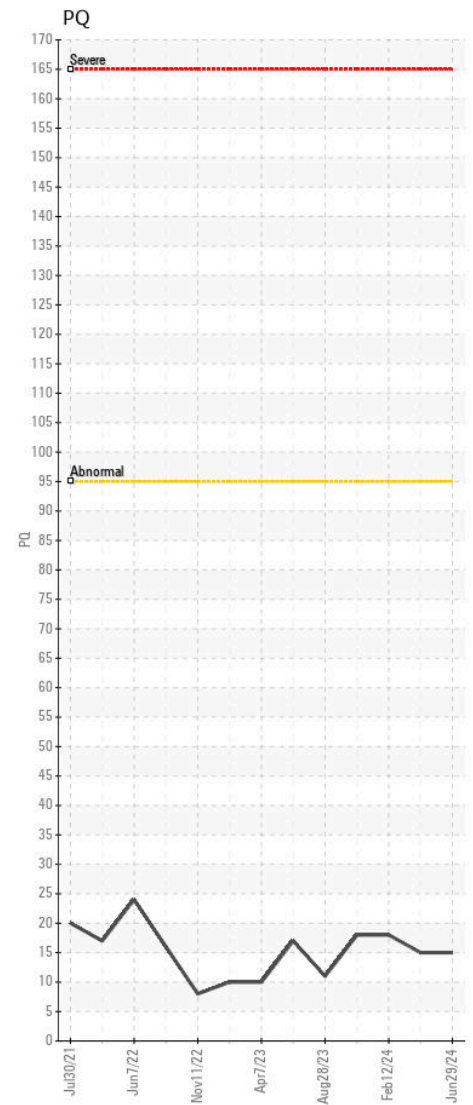
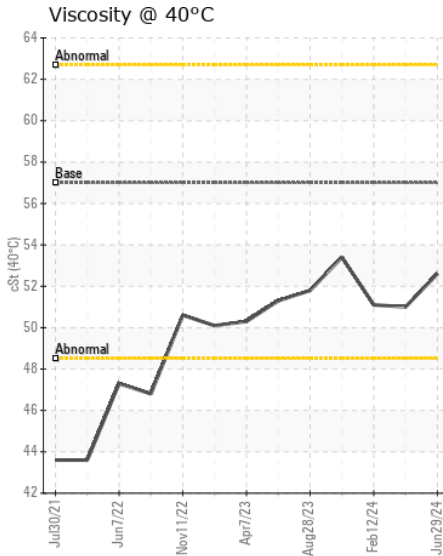
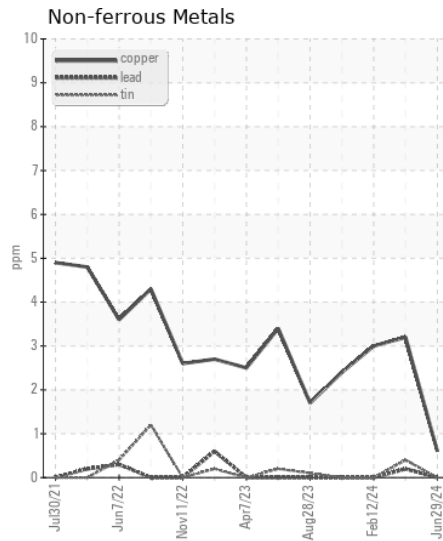
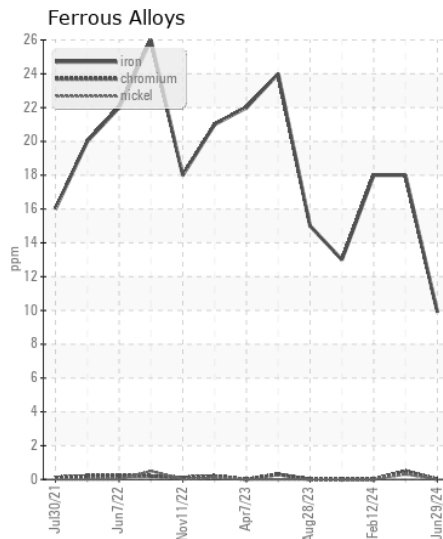
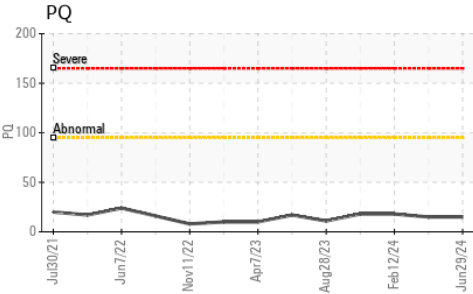
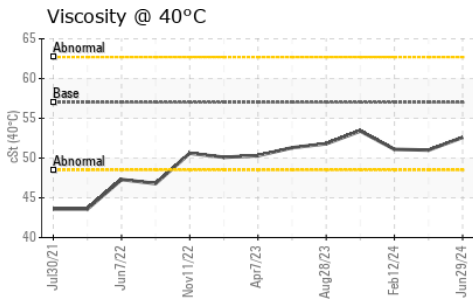
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	<b>7</b>	10	11
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	1	2
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	<1
Boron	ppm	ASTM D5185m	6	<b>11</b>	11	9
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	11
Molybdenum	ppm	ASTM D5185m	0	<b>6</b>	7	8
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Magnesium	ppm	ASTM D5185m	145	<b>122</b>	102	108
Calcium	ppm	ASTM D5185m	3570	<b>3319</b>	2931	2999
Phosphorus	ppm	ASTM D5185m	1290	<b>1048</b>	940	937
Zinc	ppm	ASTM D5185m	1640	<b>1196</b>	1120	1152
Sulfur	ppm	ASTM D5185m		<b>4020</b>	3327	3698
Visc @ 40°C	cSt	ASTM D445	57.0	<b>52.6</b>	51.0	51.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0225704 **Received** : 02 Jul 2024  
**Lab Number** : 06226476 **Tested** : 03 Jul 2024  
**Unique Number** : 11109969 **Diagnosed** : 03 Jul 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**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)