



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

Machine Id  
**JOHN DEERE 624L 1DW624LZCMF709675**  
 Component  
**Front Differential**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0213306</b>	JR0194289	JR0187149
Sample Date		Client Info		<b>12 May 2024</b>	23 Jan 2024	09 Oct 2023
Machine Age	hrs	Client Info		<b>6280</b>	5800	5200
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>9</b>	14	16
Iron	ppm	ASTM D5185m	>500	<b>12</b>	13	23
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>1</b>	1	0
Lead	ppm	ASTM D5185m	>25	<b>4</b>	3	8
Copper	ppm	ASTM D5185m	>100	<b>11</b>	11	12
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>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

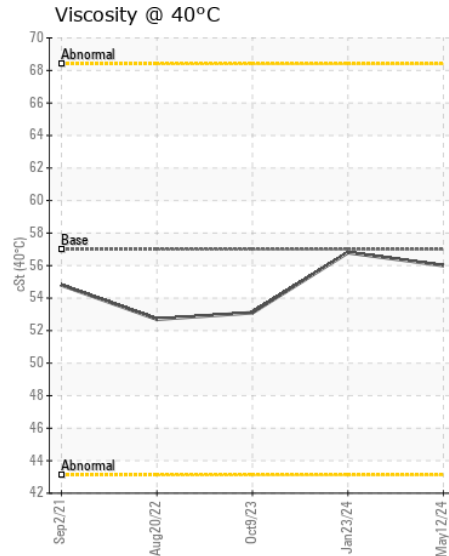
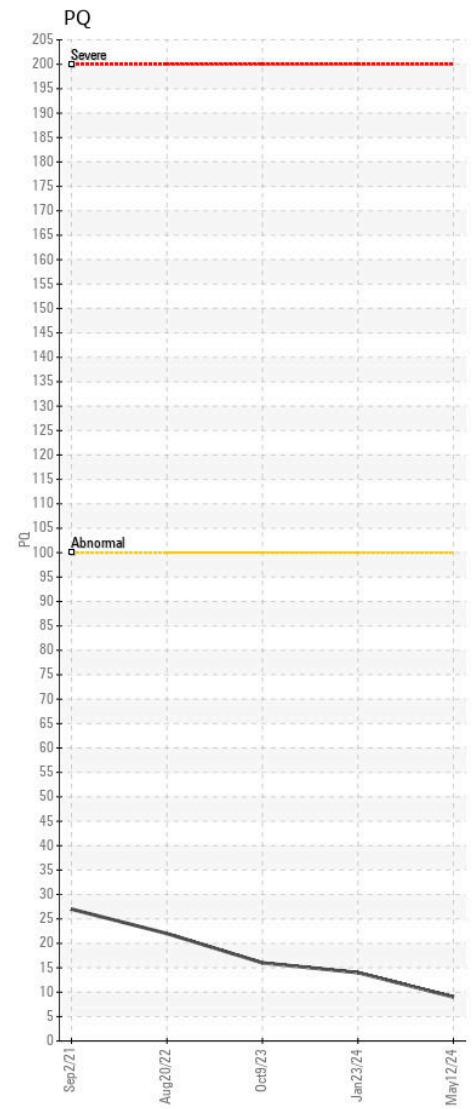
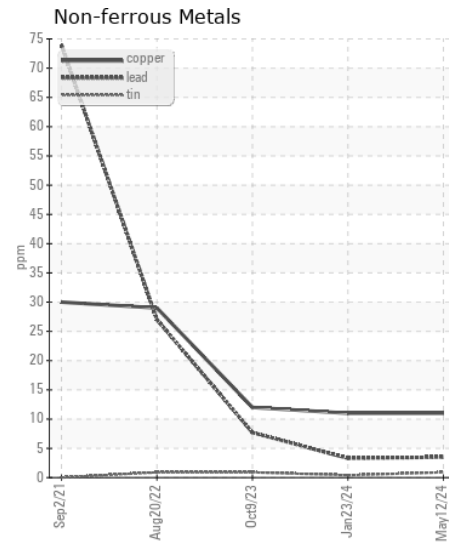
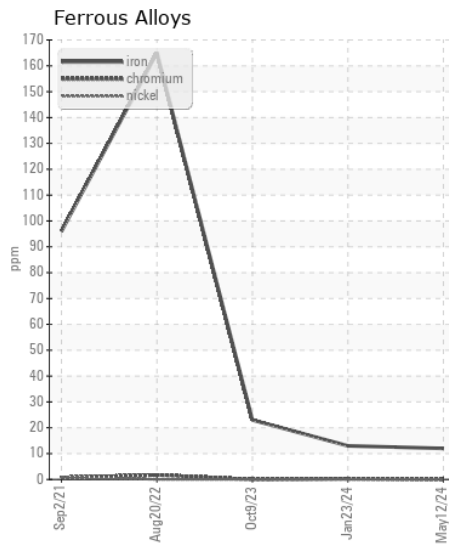
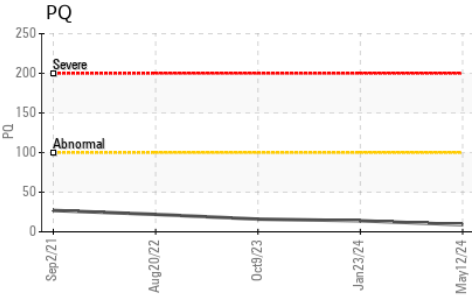
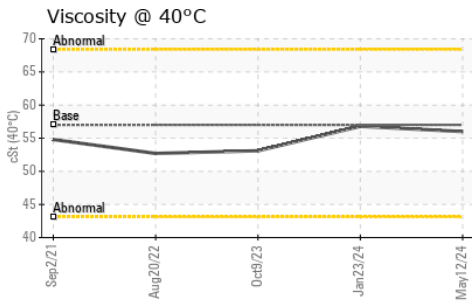
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>4</b>	4	4
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	2	3
Water		WC Method	>.2	<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	>.2	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>2</b>	0	0
Boron	ppm	ASTM D5185m	6	<b>27</b>	29	0
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185m	0	<b>21</b>	23	1
Manganese	ppm	ASTM D5185m		<b>2</b>	<1	<1
Magnesium	ppm	ASTM D5185m	145	<b>162</b>	156	94
Calcium	ppm	ASTM D5185m	3570	<b>3348</b>	3184	3383
Phosphorus	ppm	ASTM D5185m	1290	<b>1016</b>	890	1020
Zinc	ppm	ASTM D5185m	1640	<b>1234</b>	1215	1264
Sulfur	ppm	ASTM D5185m		<b>3898</b>	3977	4057
Visc @ 40°C	cSt	ASTM D445	57.0	<b>56.0</b>	56.8	53.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0213306 **Received** : 13 May 2024  
**Lab Number** : 06177451 **Tested** : 14 May 2024  
**Unique Number** : 11023504 **Diagnosed** : 14 May 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

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)

**JRE - GREENSBORO**  
 411 SOUTH REGIONAL ROAD  
 GREENSBORO, NC  
 US 27409  
 Contact: NICK GALLAHER  
 NGALLAHER@JRENET.COM  
 T: (336)668-2762  
 F: (336)665-9556