



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



Machine Id  
**JOHN DEERE 824K 1DW824KXAJF692402**  
Component  
**Rear 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>JR0221928</b>	JR0209159	JR0202680
Sample Date		Client Info		<b>26 Jun 2024</b>	10 Apr 2024	26 Jan 2024
Machine Age	hrs	Client Info		<b>6509</b>	6000	5509
Oil Age	hrs	Client Info		<b>509</b>	4529	4551
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Changed	Not Changd
Filter Changed		Client Info		<b>None</b>	Changed	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>15</b>	23	17
Iron	ppm	ASTM D5185m	>1501	<b>15</b>	53	50
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>21	<b>3</b>	2	<1
Lead	ppm	ASTM D5185m	>51	<b>2</b>	6	7
Copper	ppm	ASTM D5185m	>101	<b>4</b>	10	7
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

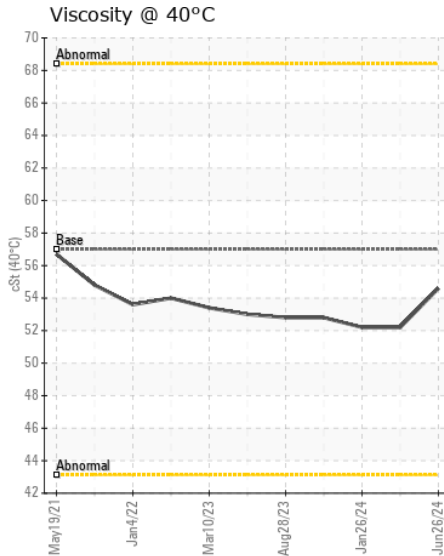
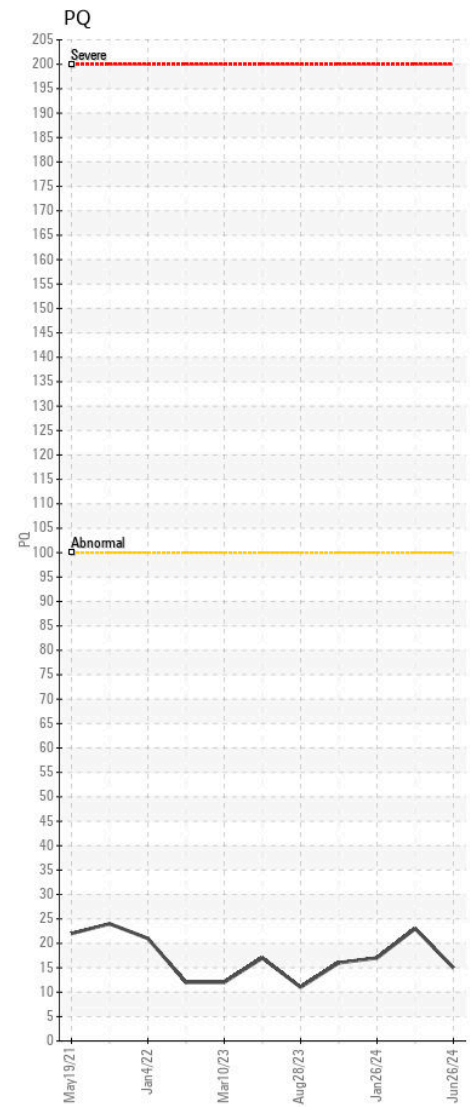
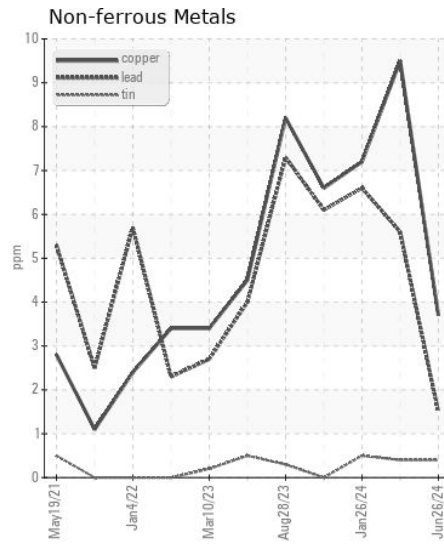
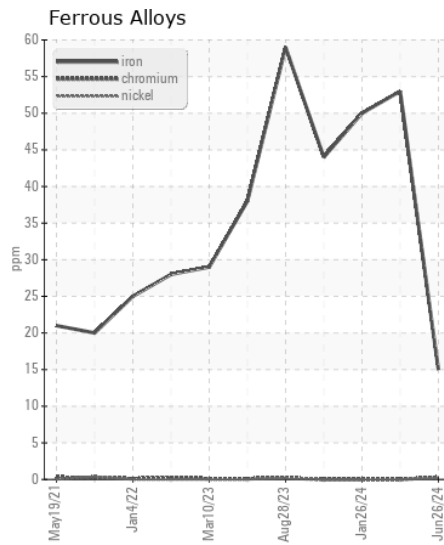
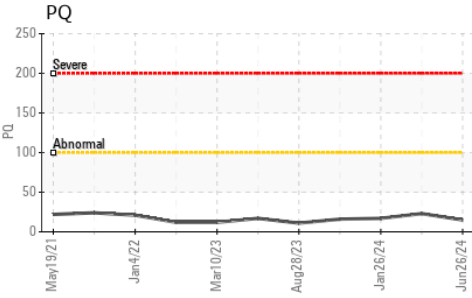
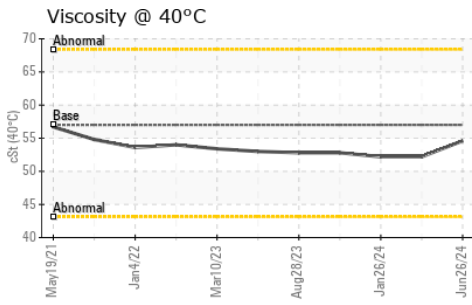
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>3</b>	2	3
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	1
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 oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<b>0</b>	0	2
Boron	ppm	ASTM D5185m	6	<b>4</b>	<1	<1
Barium	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>1</b>	1	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	1
Magnesium	ppm	ASTM D5185m	145	<b>89</b>	88	97
Calcium	ppm	ASTM D5185m	3570	<b>3327</b>	3365	3366
Phosphorus	ppm	ASTM D5185m	1290	<b>983</b>	1159	1070
Zinc	ppm	ASTM D5185m	1640	<b>1170</b>	1215	1275
Sulfur	ppm	ASTM D5185m		<b>3812</b>	3824	3466
Visc @ 40°C	cSt	ASTM D445	57.0	<b>54.6</b>	52.2	52.2



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0221928 **Received** : 01 Jul 2024  
**Lab Number** : 06225376 **Tested** : 02 Jul 2024  
**Unique Number** : 11103573 **Diagnosed** : 03 Jul 2024 - Don Baldridge  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - GARNER**  
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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)