



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



Machine Id  
**JOHN DEERE 624K 1DW624KZVGF678340**  
Component  
**Brake**  
Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (10 GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: Park Brake )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0210138</b>	JR0159776	JR0112108
Sample Date		Client Info		<b>16 Apr 2024</b>	17 Mar 2023	02 Feb 2022
Machine Age	hrs	Client Info		<b>8973</b>	8027	6994
Oil Age	hrs	Client Info		<b>502</b>	0	0
Filter Age	hrs	Client Info		<b>502</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
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>39</b>	28	54
Iron	ppm	ASTM D5185m	>350	<b>51</b>	62	108
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>8	<b>2</b>	2	<1
Lead	ppm	ASTM D5185m	>10	<b>2</b>	<1	22
Copper	ppm	ASTM D5185m	>150	<b>1</b>	<1	<1
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

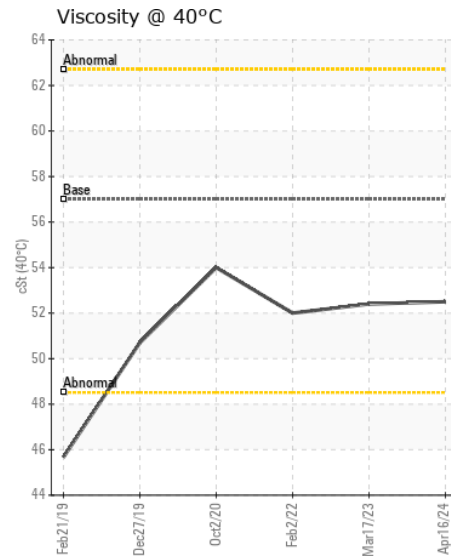
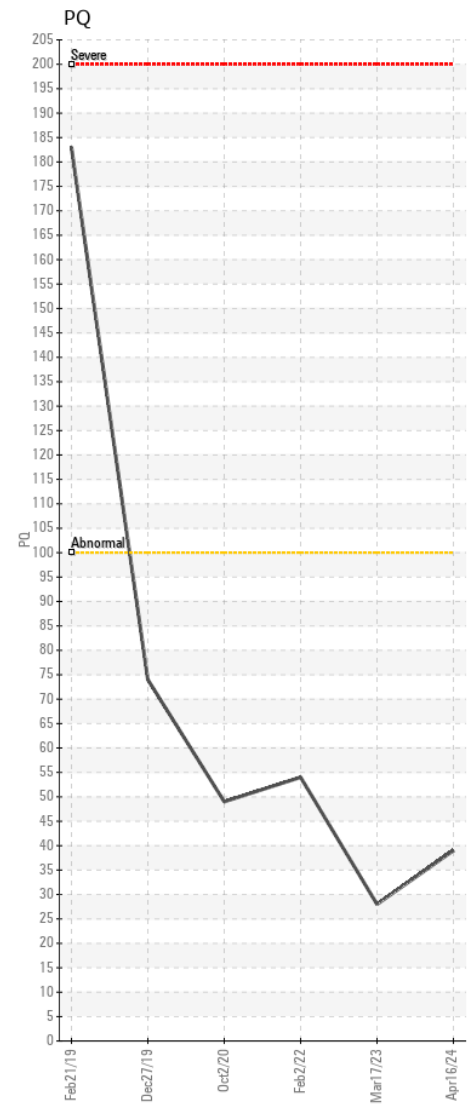
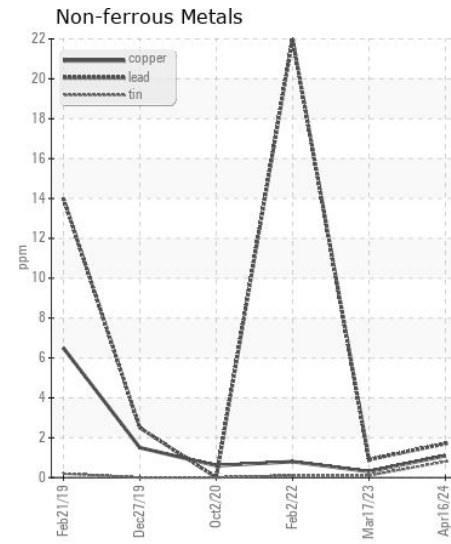
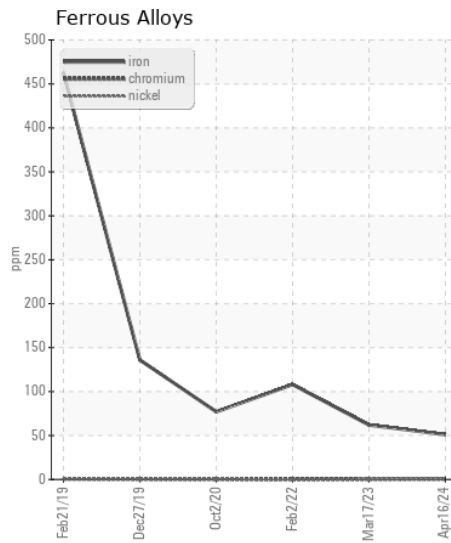
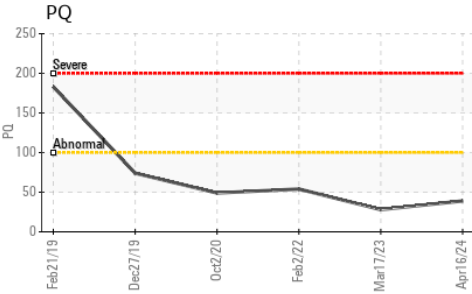
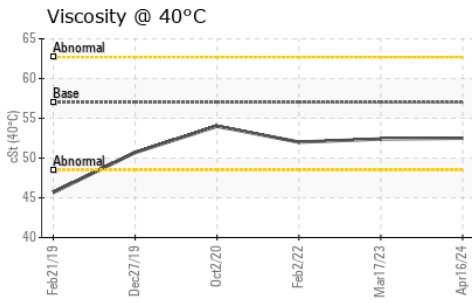
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>400	<b>59</b>	76	183
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	1	2
Water		WC Method	>0.2	<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	>0.2	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>8</b>	13	17
Boron	ppm	ASTM D5185m	6	<b>10</b>	4	9
Barium	ppm	ASTM D5185m	0	<b>2</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>15</b>	5	7
Manganese	ppm	ASTM D5185m		<b>1</b>	<1	1
Magnesium	ppm	ASTM D5185m	145	<b>125</b>	111	115
Calcium	ppm	ASTM D5185m	3570	<b>3219</b>	3428	3346
Phosphorus	ppm	ASTM D5185m	1290	<b>1040</b>	1045	994
Zinc	ppm	ASTM D5185m	1640	<b>1175</b>	1291	1144
Sulfur	ppm	ASTM D5185m		<b>3780</b>	4603	2776
Visc @ 40°C	cSt	ASTM D445	57.0	<b>52.5</b>	52.4	52.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0210138 **Received** : 18 Apr 2024  
**Lab Number** : 06153412 **Tested** : 22 Apr 2024  
**Unique Number** : 10983490 **Diagnosed** : 22 Apr 2024 - Sean Felton  
**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 - STEPHENSON**  
 245 YARDMASTER COURT  
 STEPHENSON, VA  
 US 22656-1761  
 Contact: PHIL DAUGHERTY  
 pdaugherty@jamesriverequipment.com  
 T: x:  
 F: (540)693-2588