



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



Machine Id  
**JOHN DEERE 624K 1DW624KZVGF678340**  
Component  
**Transmission (Manual)**  
Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (6 GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0210140</b>	JR0184776	JR0159769
Sample Date		Client Info		<b>16 Apr 2024</b>	06 Oct 2023	17 Mar 2023
Machine Age	hrs	Client Info		<b>8973</b>	8529	8027
Oil Age	hrs	Client Info		<b>8027</b>	0	0
Filter Age	hrs	Client Info		<b>8027</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	Not Changd	Changed
Filter Changed		Client Info		<b>N/A</b>	Not Changd	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>95	<b>21</b>	18	21
Iron	ppm	ASTM D5185m	>200	<b>29</b>	25	36
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m	>7	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	0	2
Lead	ppm	ASTM D5185m	>45	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185m	>225	<b>12</b>	12	15
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<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.

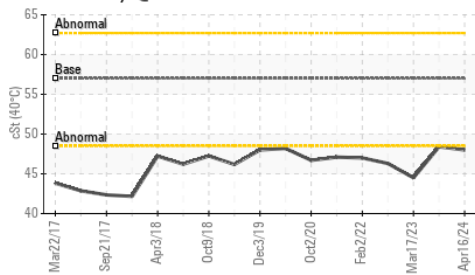
Silicon	ppm	ASTM D5185m	>125	<b>5</b>	5	6
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	3	1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<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

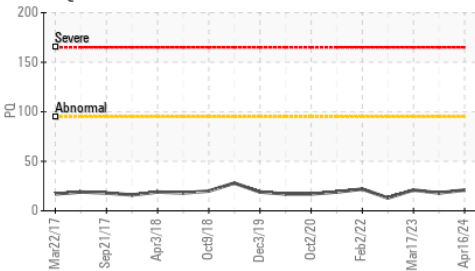
The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>4</b>	0	6
Boron	ppm	ASTM D5185m	6	<b>3</b>	6	4
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>7</b>	6	4
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	145	<b>112</b>	113	105
Calcium	ppm	ASTM D5185m	3570	<b>3287</b>	3331	3551
Phosphorus	ppm	ASTM D5185m	1290	<b>1039</b>	1062	1074
Zinc	ppm	ASTM D5185m	1640	<b>1206</b>	1305	1334
Sulfur	ppm	ASTM D5185m		<b>4144</b>	3939	4880
Visc @ 40°C	cSt	ASTM D445	57.0	<b>48.0</b>	48.4	44.5

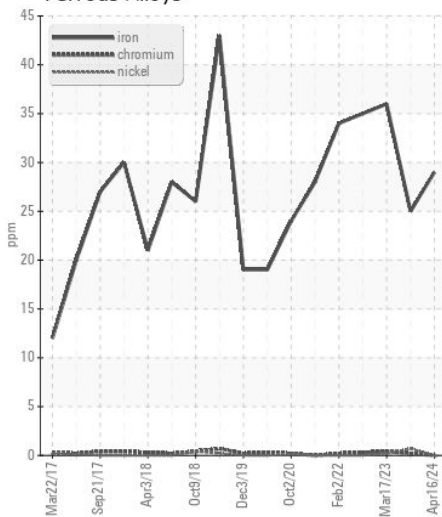
Viscosity @ 40°C



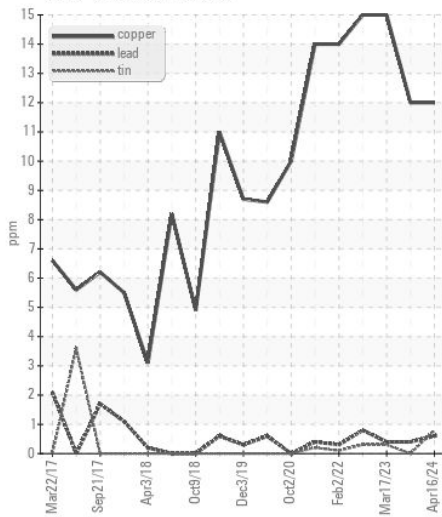
PQ



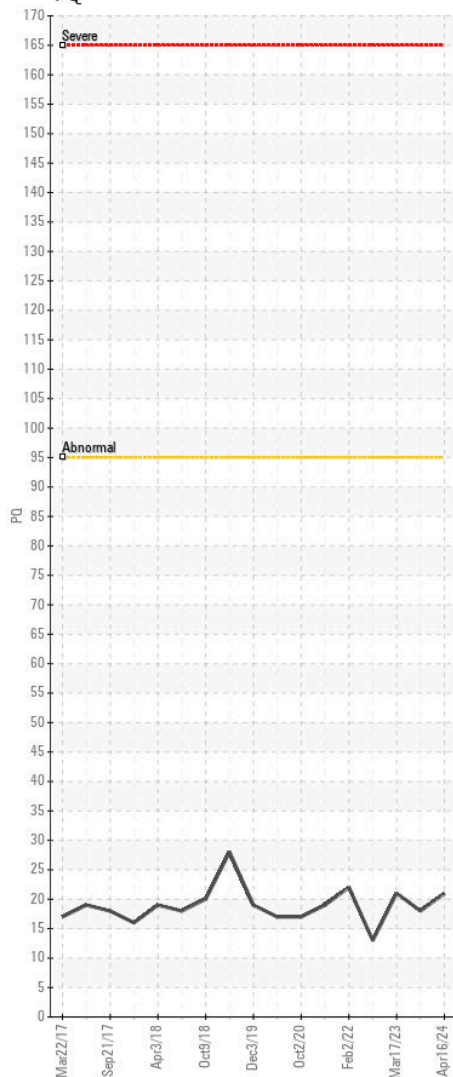
Ferrous Alloys



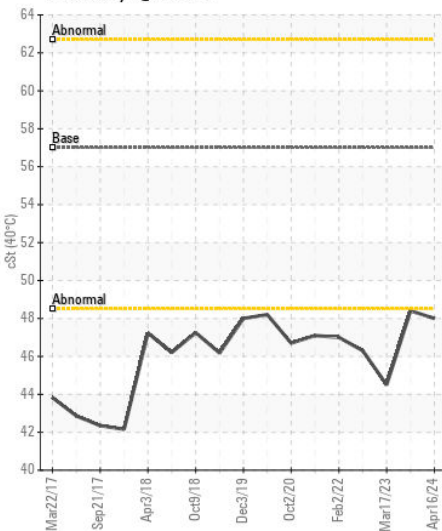
Non-ferrous Metals



PQ



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
 Sample No. : JR0210140 Received : 18 Apr 2024  
 Lab Number : 06153349 Tested : 19 Apr 2024  
 Unique Number : 10983427 Diagnosed : 19 Apr 2024 - Wes Davis  
 Test Package : CONST ( Additional Tests: PQ )

**JRE - STEPHENSON**  
 245 YARDMASTER COURT  
 STEPHENSON, VA  
 US 22656-1761  
 Contact: PHIL DAUGHERTY  
 pdaugherty@jamesriverequipment.com

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)

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