



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



Machine Id  
**JOHN DEERE 724K 1DW724KHCGF675108**  
Component  
**Hydraulic System**  
Fluid  
**JOHN DEERE HYDRAU (--- QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0206676</b>	JR0188568	JR0171115
Sample Date		Client Info		<b>11 Apr 2024</b>	28 Oct 2023	14 Jun 2023
Machine Age	hrs	Client Info		<b>13003</b>	12556	12071
Oil Age	hrs	Client Info		<b>12518</b>	485	12071
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Changed
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	N/A
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>71	<b>6</b>	<1	9
Chromium	ppm	ASTM D5185m	>11	<b>6</b>	<1	8
Nickel	ppm	ASTM D5185m	>6	<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	>11	<b>&lt;1</b>	<1	2
Lead	ppm	ASTM D5185m	>13	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>21	<b>3</b>	<1	6
Tin	ppm	ASTM D5185m	>5	<b>0</b>	0	0
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

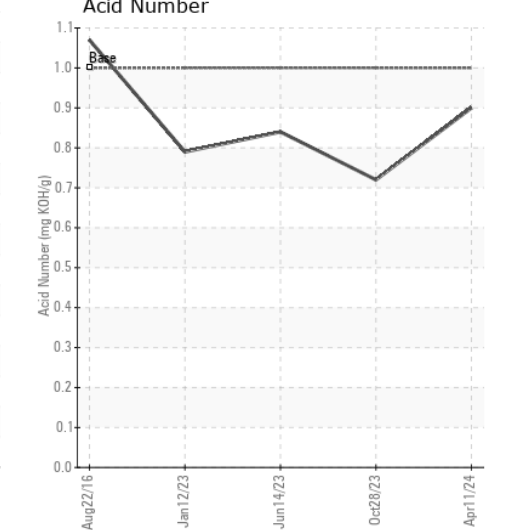
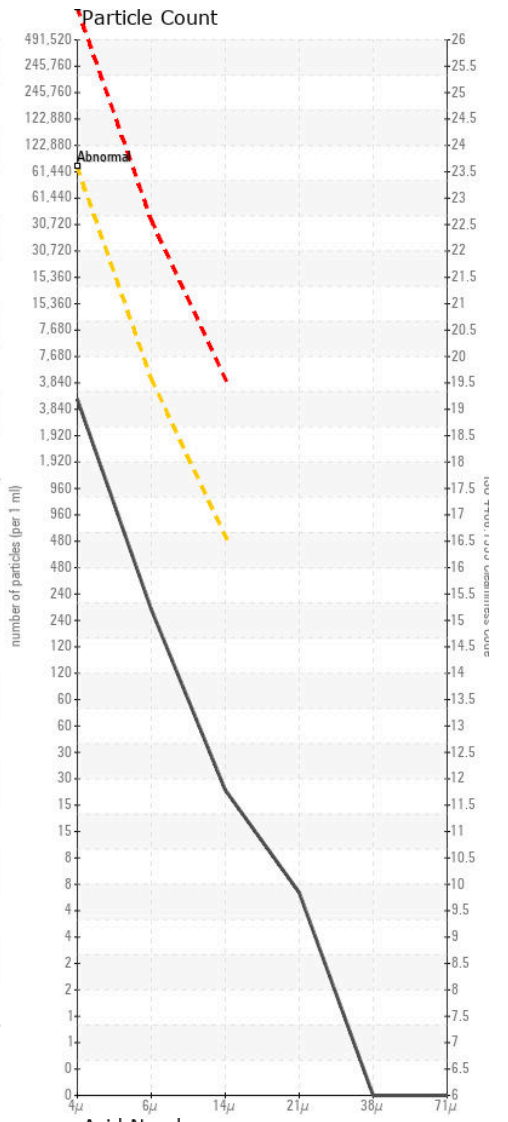
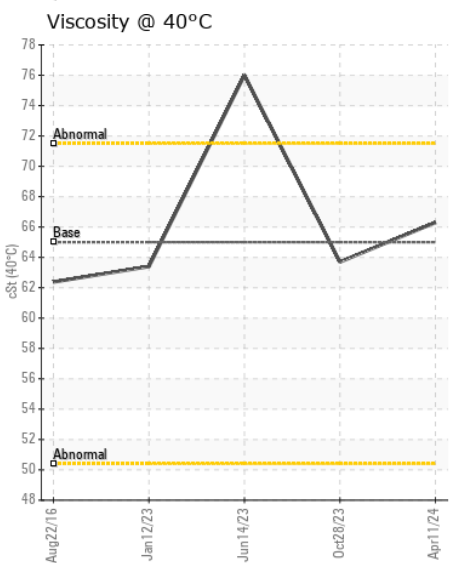
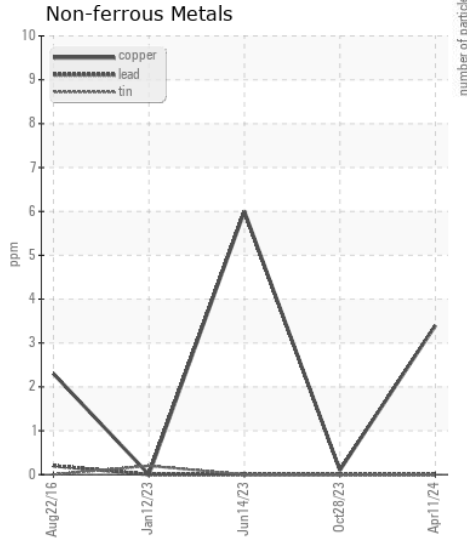
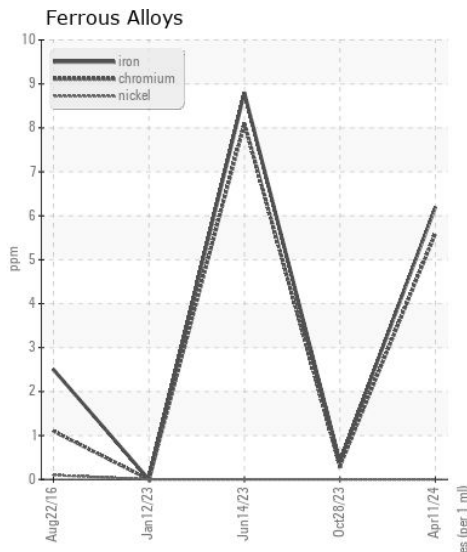
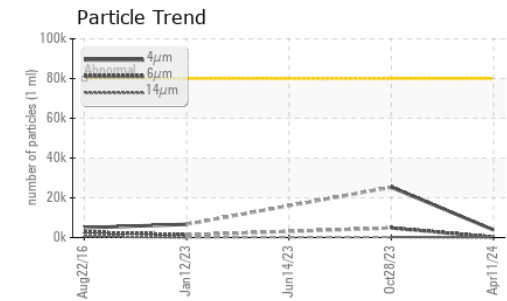
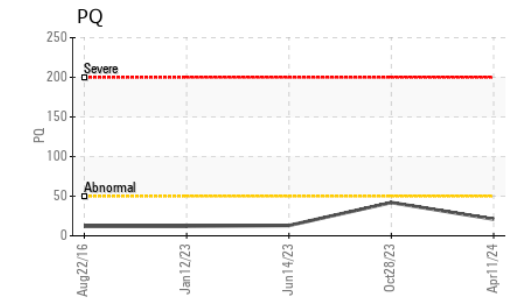
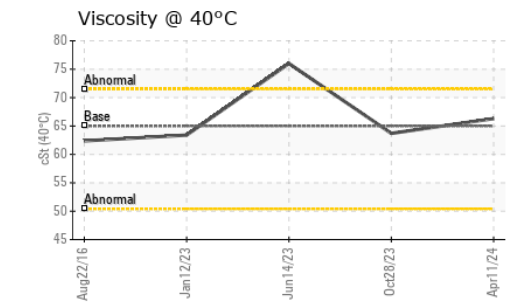
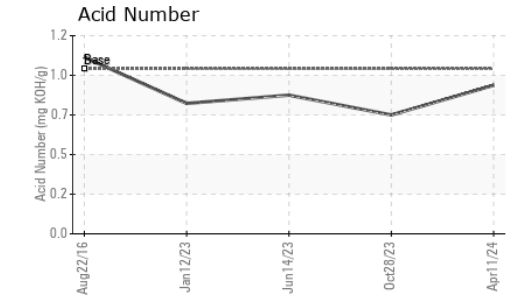
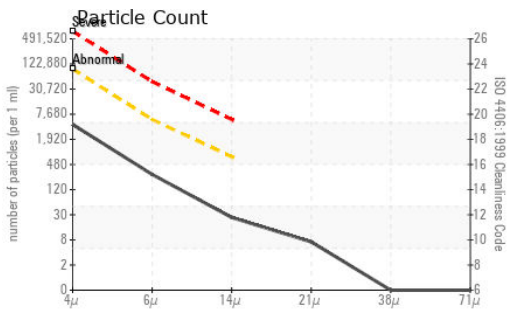
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>24	<b>2</b>	<1	6
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	4
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>80000	<b>3823</b>	25347	---
Particles >6µm		ASTM D7647	>5000	<b>244</b>	4820	---
Particles >14µm		ASTM D7647	>640	<b>23</b>	240	---
Particles >21µm		ASTM D7647	>160	<b>6</b>	30	---
Particles >38µm		ASTM D7647	>40	<b>0</b>	1	---
Particles >71µm		ASTM D7647	>10	<b>0</b>	0	---
Oil Cleanliness		ISO 4406 (c)	>23/19/16	<b>19/15/12</b>	22/19/15	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	▲ MODER
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	>0.075	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m	>21	<b>9</b>	1	7
Boron	ppm	ASTM D5185m		<b>38</b>	8	76
Barium	ppm	ASTM D5185m		<b>0</b>	20	2
Molybdenum	ppm	ASTM D5185m		<b>13</b>	8	22
Manganese	ppm	ASTM D5185m		<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185m		<b>227</b>	24	483
Calcium	ppm	ASTM D5185m	87	<b>738</b>	112	1453
Phosphorus	ppm	ASTM D5185m	727	<b>650</b>	642	758
Zinc	ppm	ASTM D5185m	900	<b>757</b>	767	936
Sulfur	ppm	ASTM D5185m	1500	<b>2179</b>	1912	3101
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	<b>0.90</b>	0.72	0.84
Visc @ 40°C	cSt	ASTM D445	65	<b>66.3</b>	63.7	76.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0206676  
**Lab Number** : 06149480  
**Unique Number** : 10979558  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - CHARLOTTE**  
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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)