



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



Area  
**[W65255]**  
 Machine Id  
**JOHN DEERE 624K 1DW624KZHJF685923**  
 Component  
**Hydraulic System**  
 Fluid  
**JOHN DEERE HYDRAU (20 GAL)**

### RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. ( Customer Sample Comment: W65255 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0206466</b>	JR0151007	JR0134159
Sample Date		Client Info		<b>18 Mar 2024</b>	20 Dec 2022	22 Jul 2022
Machine Age	hrs	Client Info		<b>9456</b>	9456	8734
Oil Age	hrs	Client Info		<b>9456</b>	500	0
Filter Age	hrs	Client Info		<b>0</b>	500	0
Oil Changed		Client Info		<b>Not Chngd</b>	Changed	N/A
Filter Changed		Client Info		<b>Not Chngd</b>	Changed	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	<b>19</b>	10	19
Iron	ppm	ASTM D5185m	>71	<b>21</b>	13	<1
Chromium	ppm	ASTM D5185m	>11	<b>6</b>	6	0
Nickel	ppm	ASTM D5185m	>6	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>11	<b>5</b>	2	<1
Lead	ppm	ASTM D5185m	>13	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>21	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</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

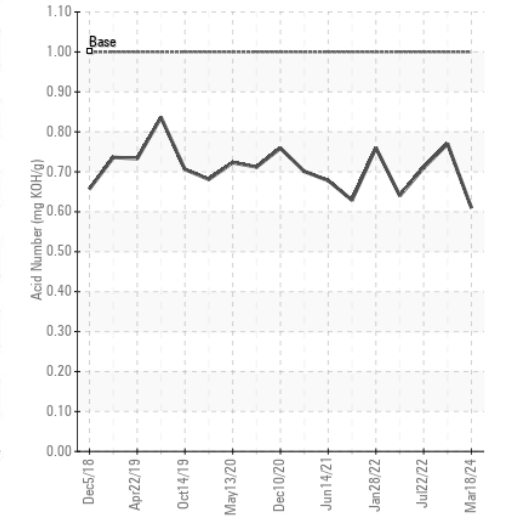
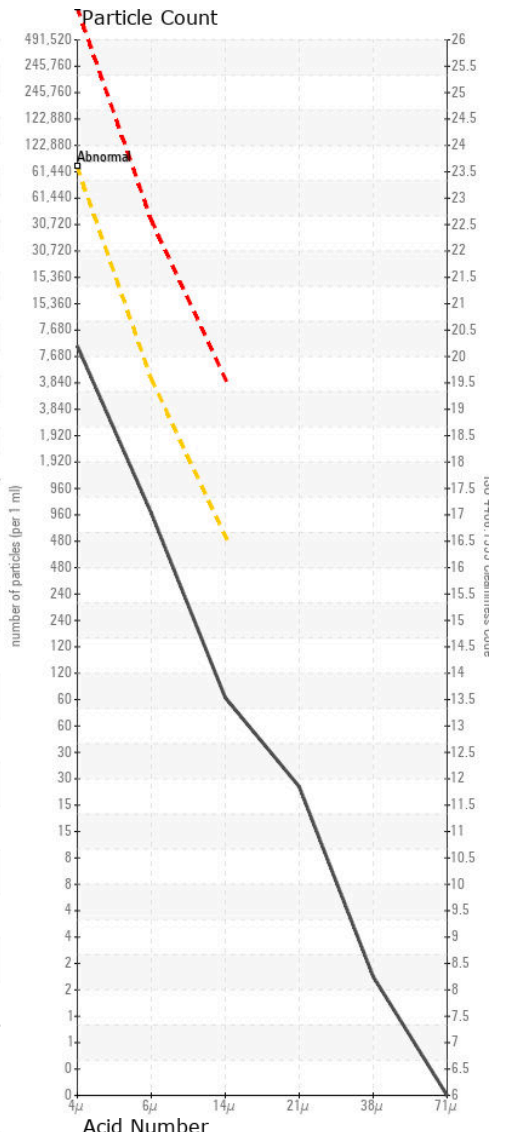
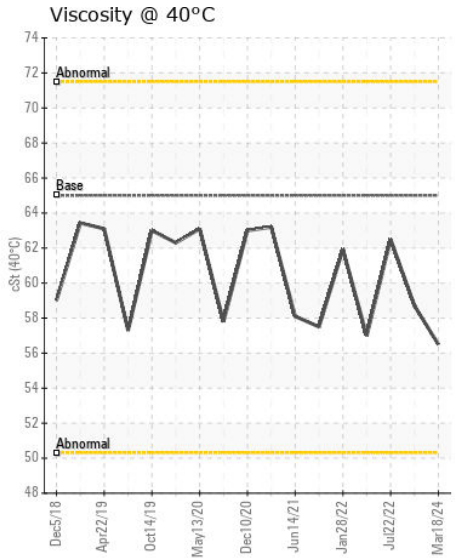
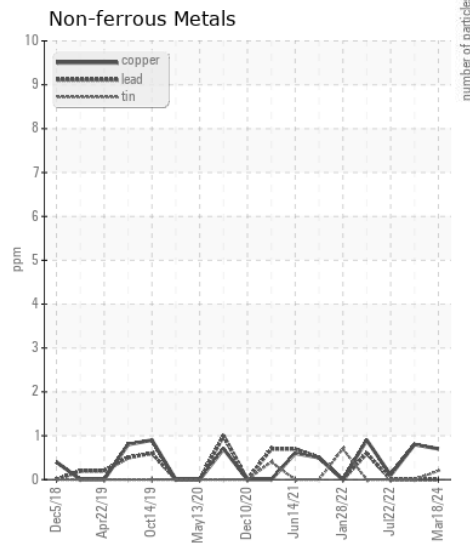
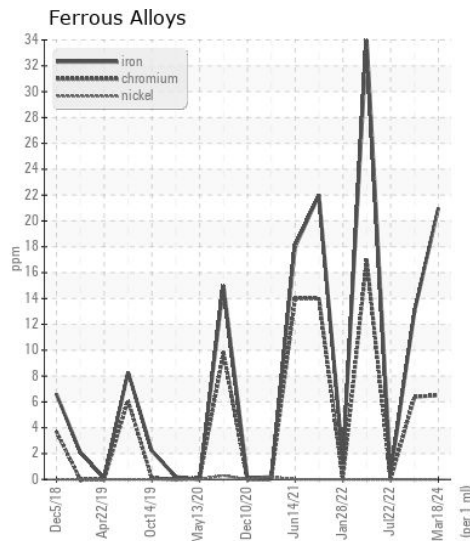
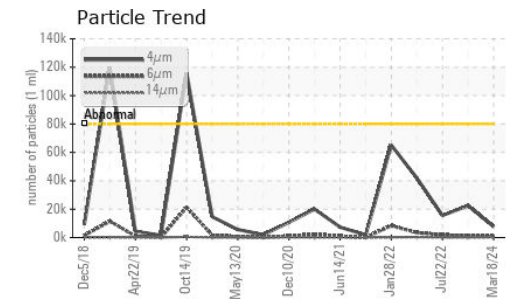
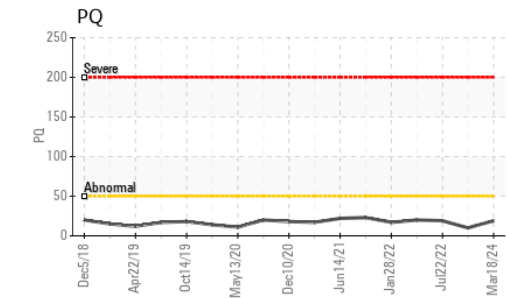
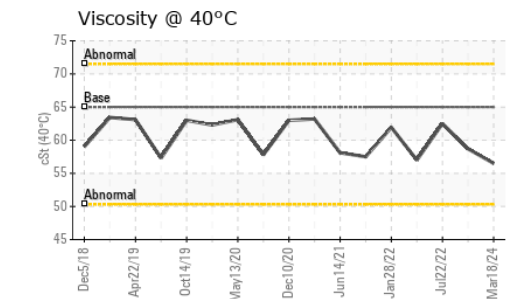
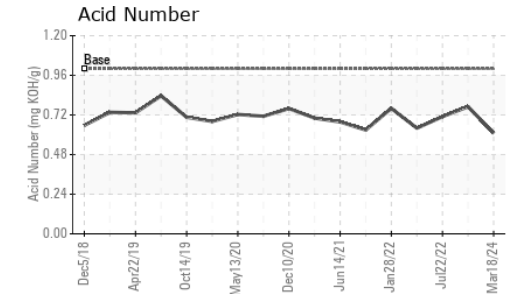
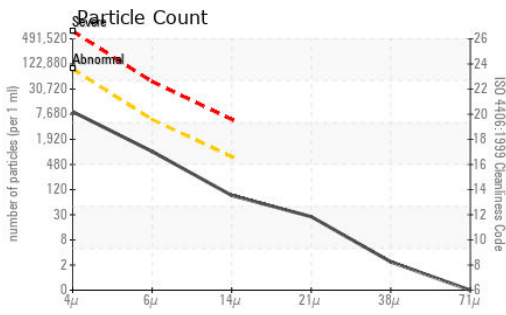
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185m	>24	<b>10</b>	5	<1
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	<1
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>80000	<b>7686</b>	22477	15547
Particles >6µm		ASTM D7647	>5000	<b>862</b>	1096	1862
Particles >14µm		ASTM D7647	>640	<b>77</b>	47	49
Particles >21µm		ASTM D7647	>160	<b>24</b>	9	6
Particles >38µm		ASTM D7647	>40	<b>2</b>	1	0
Particles >71µm		ASTM D7647	>10	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>23/19/16	<b>20/17/13</b>	22/17/13	21/18/13
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	>0.075	<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>2</b>	2	0
Boron	ppm	ASTM D5185m		<b>0</b>	0	7
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	4
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Magnesium	ppm	ASTM D5185m		<b>3</b>	6	17
Calcium	ppm	ASTM D5185m	87	<b>104</b>	140	192
Phosphorus	ppm	ASTM D5185m	727	<b>607</b>	683	649
Zinc	ppm	ASTM D5185m	900	<b>764</b>	849	859
Sulfur	ppm	ASTM D5185m	1500	<b>1734</b>	1970	2019
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	<b>0.61</b>	0.77	0.71
Visc @ 40°C	cSt	ASTM D445	65	<b>56.5</b>	58.7	62.5



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0206466 **Received** : 20 Mar 2024  
**Lab Number** : 06123549 **Tested** : 25 Mar 2024  
**Unique Number** : 10937700 **Diagnosed** : 25 Mar 2024 - Jonathan Hester  
**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)