



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



Area  
**[W68750]**  
 Machine Id  
**JOHN DEERE 672GP 1DW672GPTHF681827**  
 Component  
**Hydraulic System**  
 Fluid  
**JOHN DEERE HYDRAU (14 GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: W68750 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0220115</b>	JR0189315	JR0178674
Sample Date		Client Info		<b>09 Jul 2024</b>	21 Dec 2023	10 Aug 2023
Machine Age	hrs	Client Info		<b>9643</b>	8974	8514
Oil Age	hrs	Client Info		<b>8148</b>	7939	7973
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Chngd</b>	Not Chngd	Not Chngd
Filter Changed		Client Info		<b>Not Chngd</b>	Not Chngd	Not Chngd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	<b>15</b>	11	12
Iron	ppm	ASTM D5185m	>71	<b>8</b>	7	5
Chromium	ppm	ASTM D5185m	>11	<b>2</b>	1	<1
Nickel	ppm	ASTM D5185m	>6	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>11	<b>4</b>	2	3
Lead	ppm	ASTM D5185m	>13	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>21	<b>7</b>	5	4
Tin	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

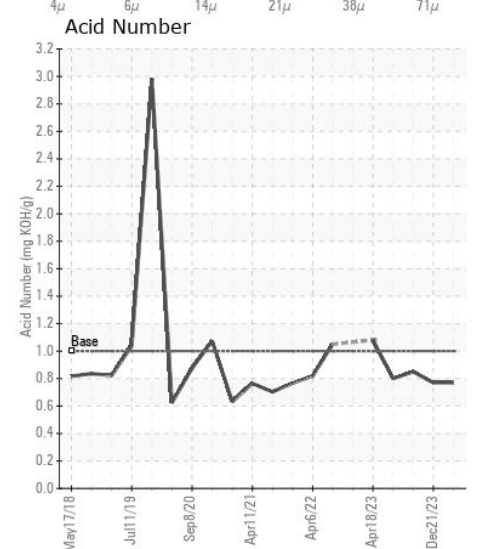
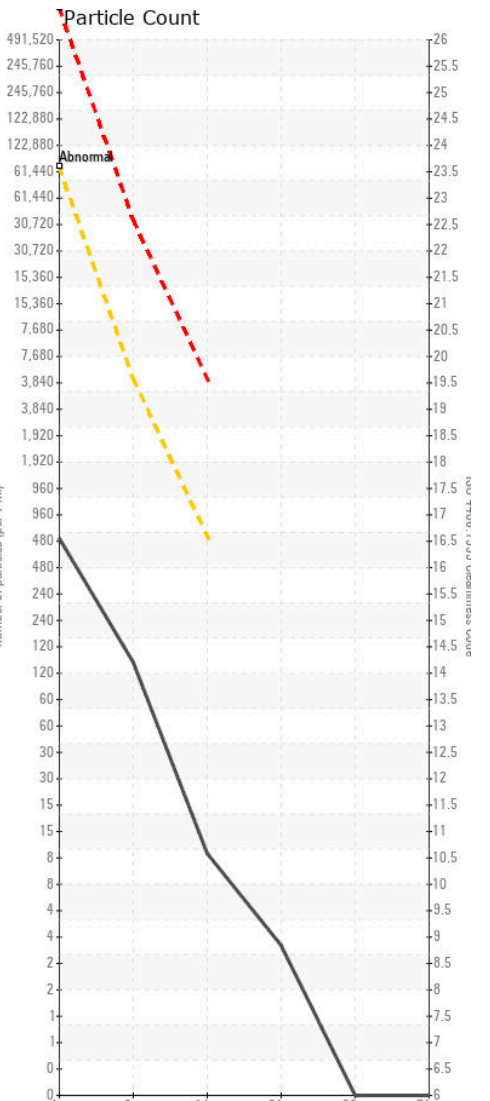
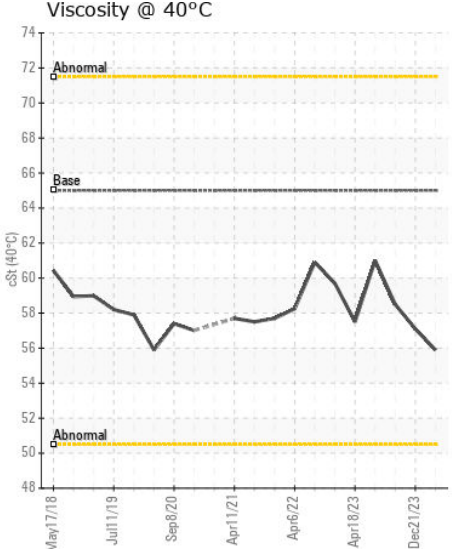
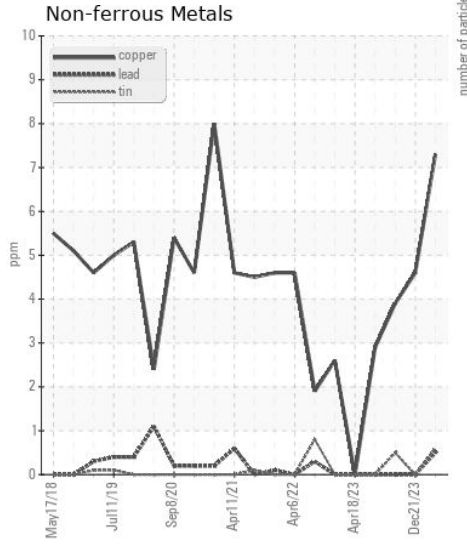
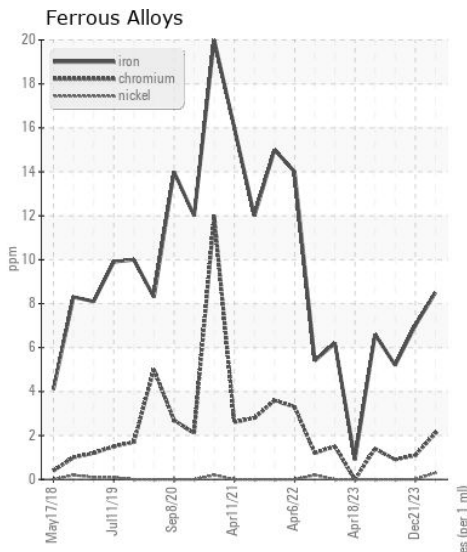
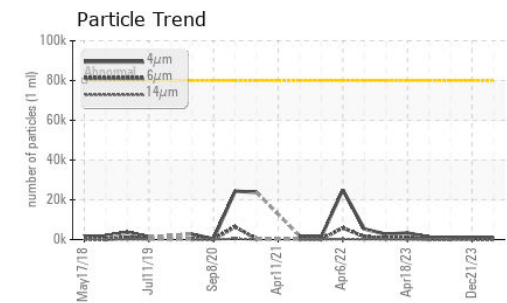
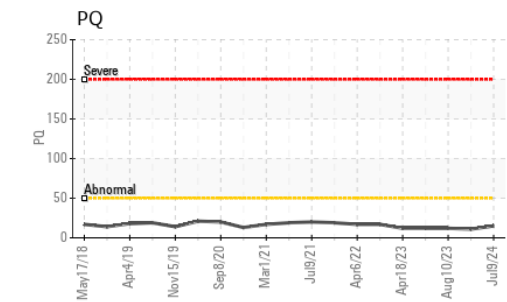
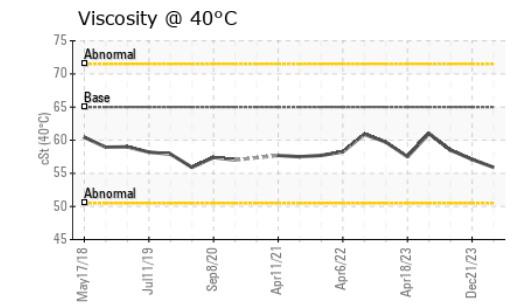
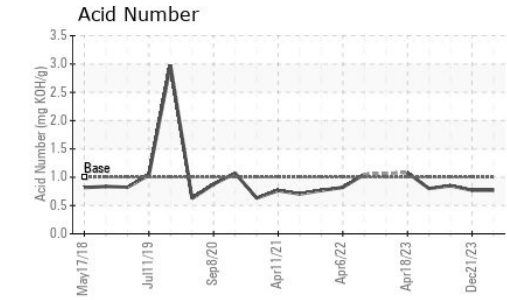
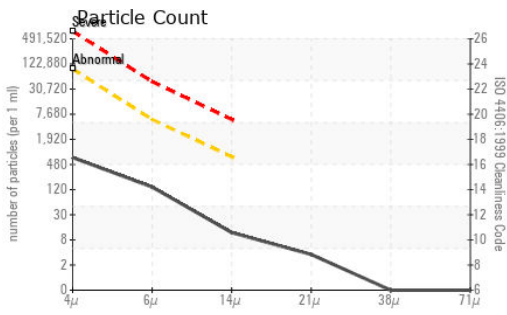
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>24	<b>9</b>	6	5
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	2
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>80000	<b>619</b>	1077	618
Particles >6µm		ASTM D7647	>5000	<b>122</b>	196	167
Particles >14µm		ASTM D7647	>640	<b>10</b>	27	20
Particles >21µm		ASTM D7647	>160	<b>3</b>	7	7
Particles >38µm		ASTM D7647	>40	<b>0</b>	1	0
Particles >71µm		ASTM D7647	>10	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>23/19/16	<b>16/14/10</b>	17/15/12	16/15/11
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
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>&lt;1</b>	0	2
Boron	ppm	ASTM D5185m		<b>13</b>	12	16
Barium	ppm	ASTM D5185m		<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185m		<b>13</b>	14	17
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185m		<b>71</b>	72	85
Calcium	ppm	ASTM D5185m	87	<b>890</b>	910	811
Phosphorus	ppm	ASTM D5185m	727	<b>681</b>	681	628
Zinc	ppm	ASTM D5185m	900	<b>859</b>	898	810
Sulfur	ppm	ASTM D5185m	1500	<b>2693</b>	2996	2962
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	<b>0.77</b>	0.77	0.85
Visc @ 40°C	cSt	ASTM D445	65	<b>55.9</b>	57.1	58.5



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0220115 **Received** : 15 Jul 2024  
**Lab Number** : 06235818 **Tested** : 16 Jul 2024  
**Unique Number** : 11124652 **Diagnosed** : 16 Jul 2024 - Don Baldridge  
**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)