



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



Area

**[W68750]**

Machine Id

**JOHN DEERE 672GP 1DW672GPTHF681827**

Component

**Left Tandem**

Fluid

**JOHN DEERE HY-GARD HYDRAULIC/RANSMISSION (20 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>JR0220118</b>	JR0192677	JR0189173
Sample Date		Client Info		<b>09 Jul 2024</b>	21 Dec 2023	27 Sep 2023
Machine Age	hrs	Client Info		<b>9643</b>	8974	8514
Oil Age	hrs	Client Info		<b>9643</b>	8974	8514
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Test	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>17</b>	15	25
Iron	ppm	ASTM D5185m	>250	<b>14</b>	9	14
Chromium	ppm	ASTM D5185m	>11	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>&lt;1</b>	<1	3
Lead	ppm	ASTM D5185m	>11	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>25	<b>5</b>	2	<1
Tin	ppm	ASTM D5185m		<b>0</b>	<1	<1
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

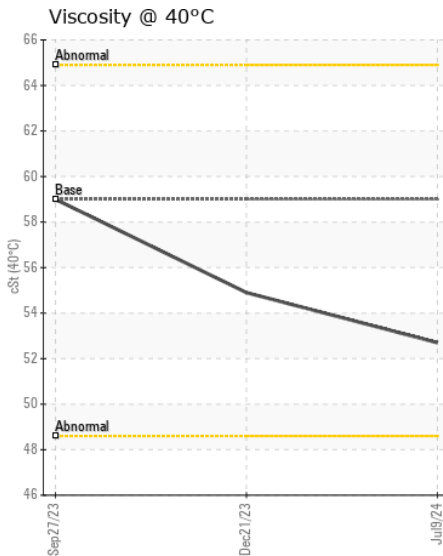
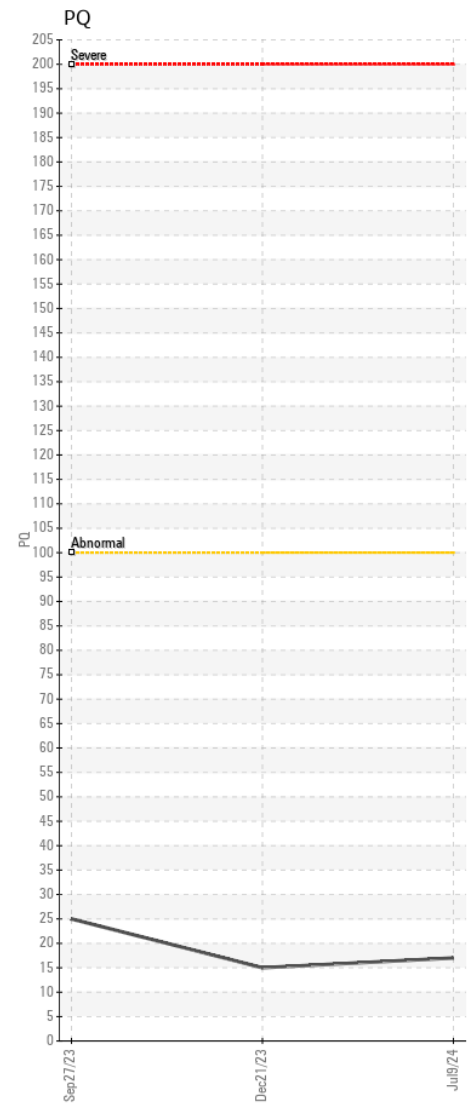
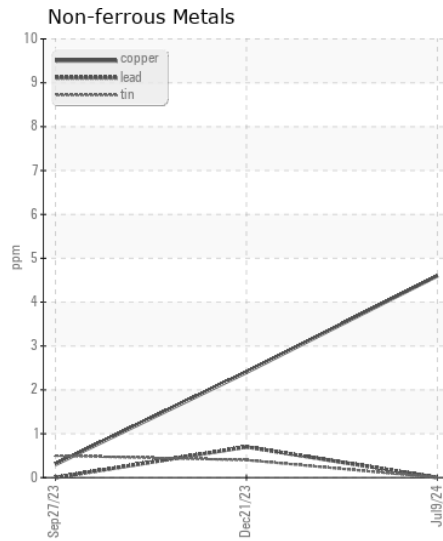
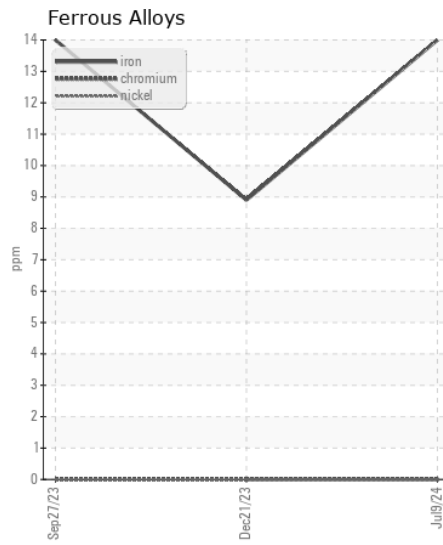
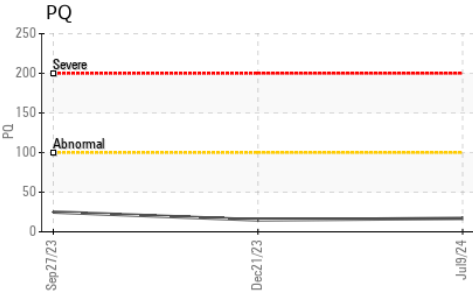
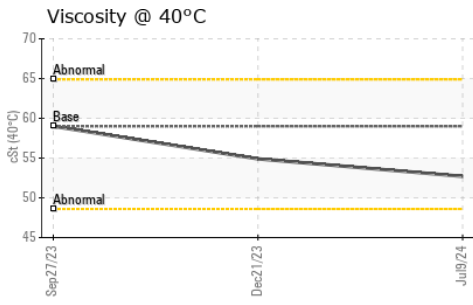
There is no indication of any contamination in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>100	<b>3</b>	3	6
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	0
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 oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m	>21	<b>2</b>	<1	<1
Boron	ppm	ASTM D5185m		<b>2</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>3</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>105</b>	97	103
Calcium	ppm	ASTM D5185m		<b>3276</b>	3329	3270
Phosphorus	ppm	ASTM D5185m		<b>999</b>	1071	980
Zinc	ppm	ASTM D5185m		<b>1183</b>	1244	1242
Sulfur	ppm	ASTM D5185m		<b>3828</b>	3578	3500
Visc @ 40°C	cSt	ASTM D445	59	<b>52.7</b>	54.9	59.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0220118 **Received** : 15 Jul 2024  
**Lab Number** : 06236335 **Tested** : 16 Jul 2024  
**Unique Number** : 11125169 **Diagnosed** : 16 Jul 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - CHARLOTTE**  
 9550 STATESVILLE ROAD  
 CHARLOTTE, NC  
 US 28269  
 Contact: Chuck Sorrow  
 JSorrow@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)

T:  
 F: (704)596-6198