



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



Area  
**[W67997]**  
 Machine Id  
**JOHN DEERE 410E 1DW410ETKJF692851**  
 Component  
**Rear Differential**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (5 GAL)**

### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. ( Customer Sample Comment: W67997 )

### WEAR

All component wear rates are normal.

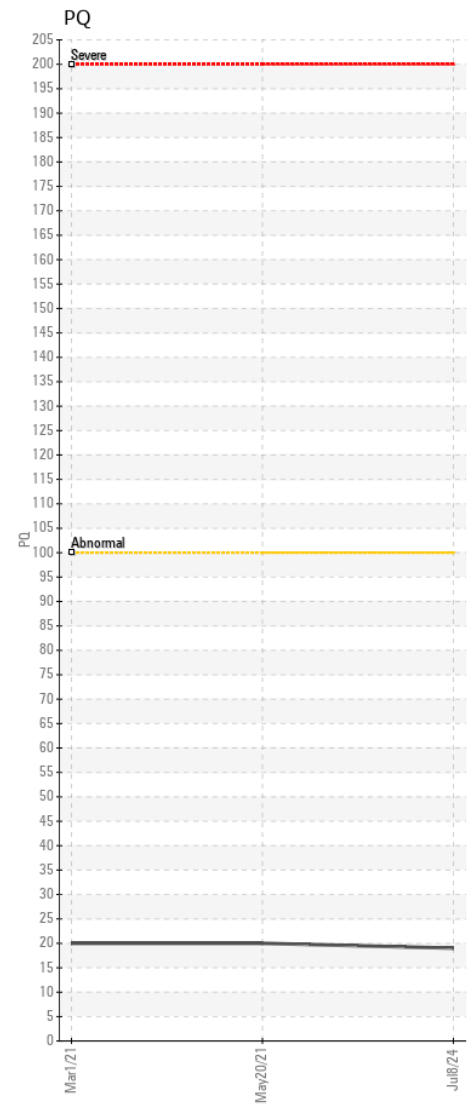
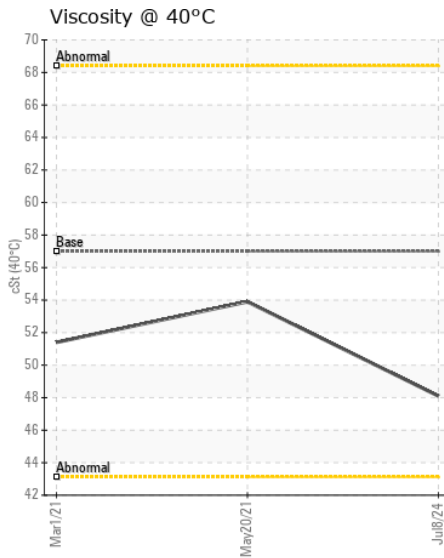
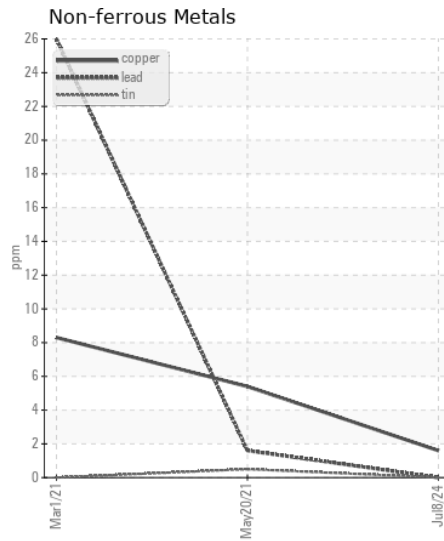
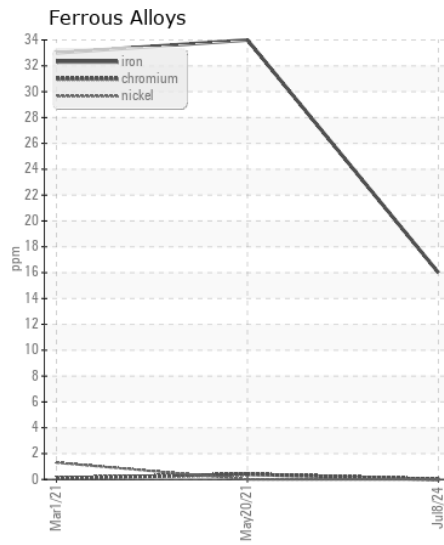
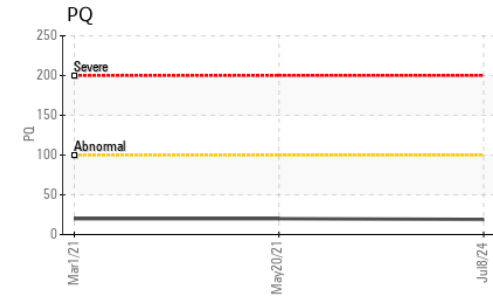
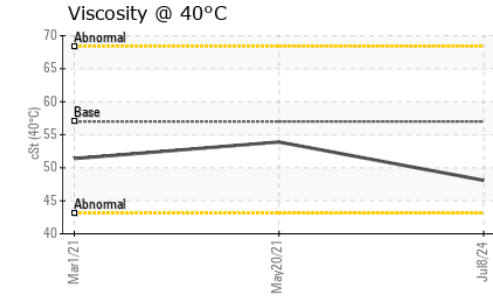
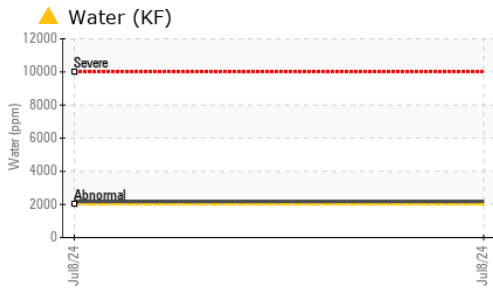
### CONTAMINATION

Moderate concentration of visible dirt/debris present in the oil. There is a light concentration of water present in the oil.

### FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0216097</b>	JR0085941	JR0079818
Sample Date		Client Info		<b>08 Jul 2024</b>	20 May 2021	01 Mar 2021
Machine Age	hrs	Client Info		<b>5511</b>	5004	4568
Oil Age	hrs	Client Info		<b>5511</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>N/A</b>	Changed	Not Changd
Sample Status				<b>ABNORMAL</b>	NORMAL	NORMAL
PQ		ASTM D8184		<b>19</b>	20	20
Iron	ppm	ASTM D5185m	>500	<b>16</b>	34	33
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>25	<b>12</b>	1	<1
Lead	ppm	ASTM D5185m	>25	<b>0</b>	2	26
Copper	ppm	ASTM D5185m	>100	<b>2</b>	5	8
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	<b>15</b>	4	5
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	6	0
Water	%	ASTM D6304	>.2	<b>▲ 0.215</b>	---	---
ppm Water	ppm	ASTM D6304	>2000	<b>▲ 2150</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>▲ MODER</b>	LIGHT	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	>.2	<b>▲ 0.2%</b>	NEG	NEG
Sodium	ppm	ASTM D5185m		<b>3</b>	7	4
Boron	ppm	ASTM D5185m	6	<b>2</b>	12	3
Barium	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	2	<1
Magnesium	ppm	ASTM D5185m	145	<b>86</b>	108	103
Calcium	ppm	ASTM D5185m	3570	<b>3177</b>	3565	3874
Phosphorus	ppm	ASTM D5185m	1290	<b>976</b>	1010	1031
Zinc	ppm	ASTM D5185m	1640	<b>1082</b>	1245	1290
Sulfur	ppm	ASTM D5185m		<b>3852</b>	3104	3480
Visc @ 40°C	cSt	ASTM D445	57.0	<b>48.1</b>	53.9	51.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0216097 **Received** : 10 Jul 2024  
**Lab Number** : 06232471 **Tested** : 11 Jul 2024  
**Unique Number** : 11115964 **Diagnosed** : 11 Jul 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: KF, PQ )

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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