



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



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

### RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: W67997 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0216096</b>	JR0085939	JR0079817
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>4773</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>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>19</b>	21	21
Iron	ppm	ASTM D5185m	>500	<b>10</b>	34	42
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	<1	0
Lead	ppm	ASTM D5185m	>25	<b>0</b>	27	24
Copper	ppm	ASTM D5185m	>100	<b>2</b>	10	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

### CONTAMINATION

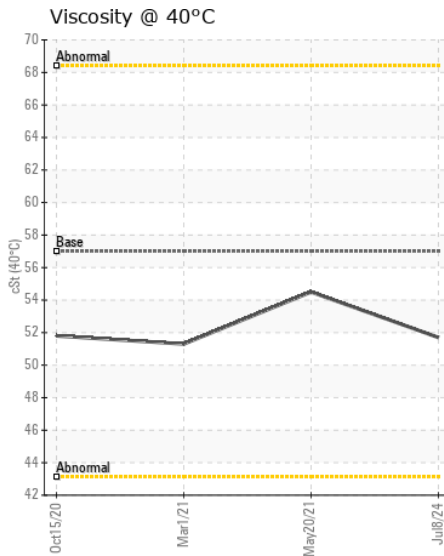
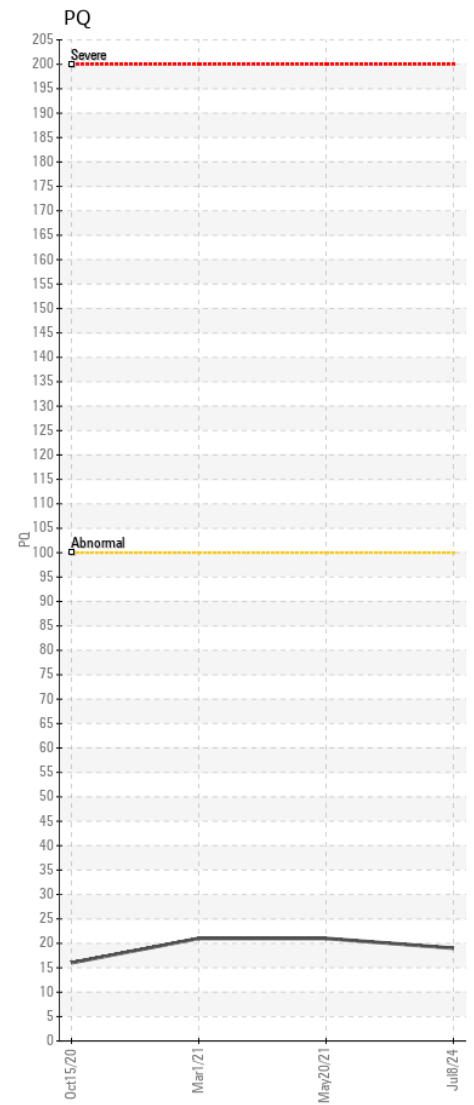
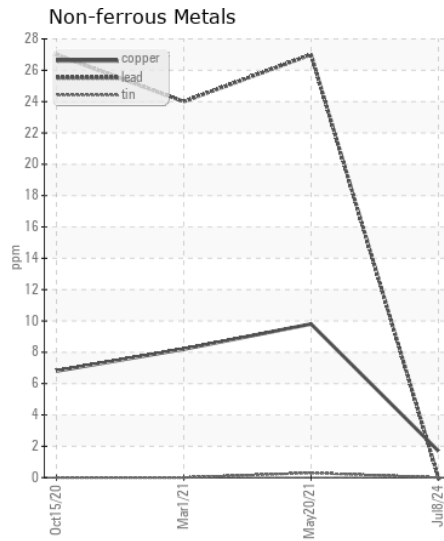
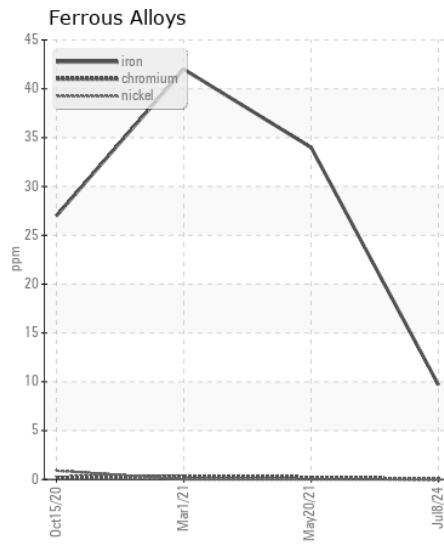
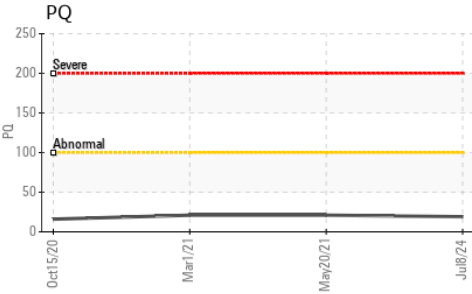
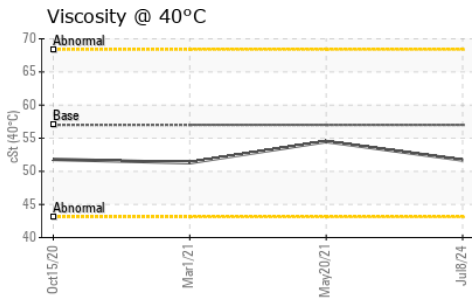
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>3</b>	4	4
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	2
Water		WC Method	>.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</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>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>3</b>	5	<1
Boron	ppm	ASTM D5185m	6	<b>3</b>	6	5
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>	<1	<1
Magnesium	ppm	ASTM D5185m	145	<b>87</b>	96	91
Calcium	ppm	ASTM D5185m	3570	<b>3198</b>	3524	3294
Phosphorus	ppm	ASTM D5185m	1290	<b>977</b>	1034	1010
Zinc	ppm	ASTM D5185m	1640	<b>1088</b>	1216	1119
Sulfur	ppm	ASTM D5185m		<b>3896</b>	3239	3667
Visc @ 40°C	cSt	ASTM D445	57.0	<b>51.7</b>	54.5	51.3



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : JR0216096

**Lab Number** : 06232469

**Unique Number** : 11115962

**Test Package** : CONST ( Additional Tests: PQ )

**Received** : 10 Jul 2024

**Tested** : 11 Jul 2024

**Diagnosed** : 11 Jul 2024 - Sean Felton

**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)