



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



Machine Id  
**JOHN DEERE 410E 1DW410EBAMF709486**  
Component  
**Center Differential**  
Fluid  
**{not provided} (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0215050</b>	JR0193175	JR0178365
Sample Date		Client Info		<b>08 May 2024</b>	02 Jan 2024	23 Aug 2023
Machine Age	hrs	Client Info		<b>105218</b>	10661	4031
Oil Age	hrs	Client Info		<b>98588</b>	10661	2031
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	Changed
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>16</b>	16	15
Iron	ppm	ASTM D5185m	>500	<b>&lt;1</b>	29	35
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	2	1
Lead	ppm	ASTM D5185m	>25	<b>0</b>	18	17
Copper	ppm	ASTM D5185m	>100	<b>&lt;1</b>	5	6
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

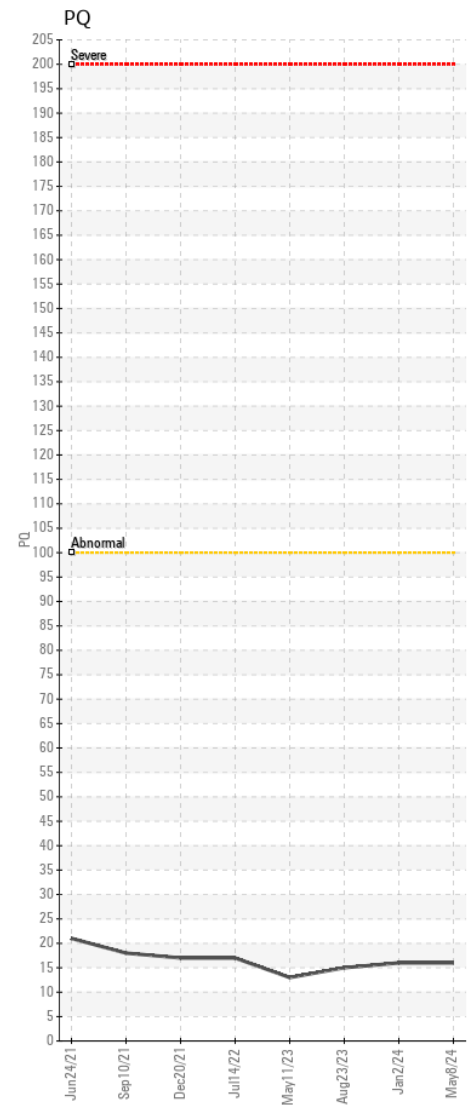
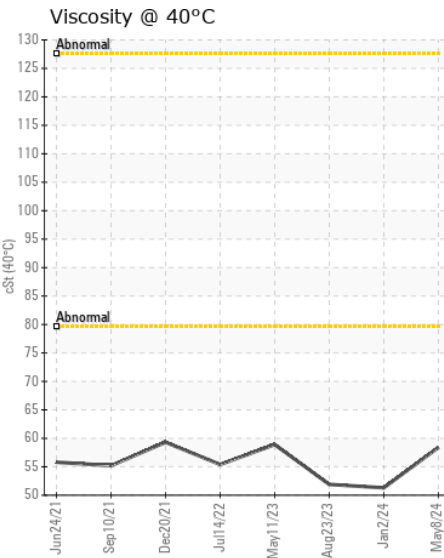
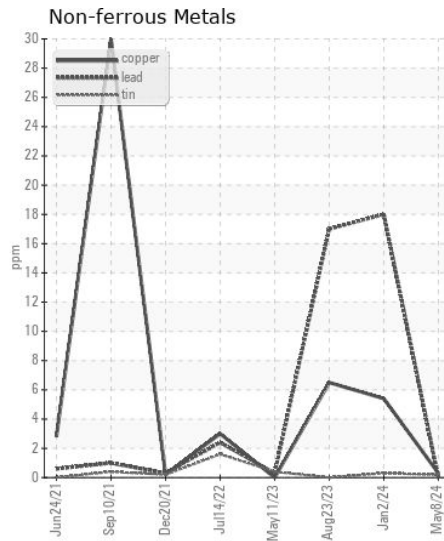
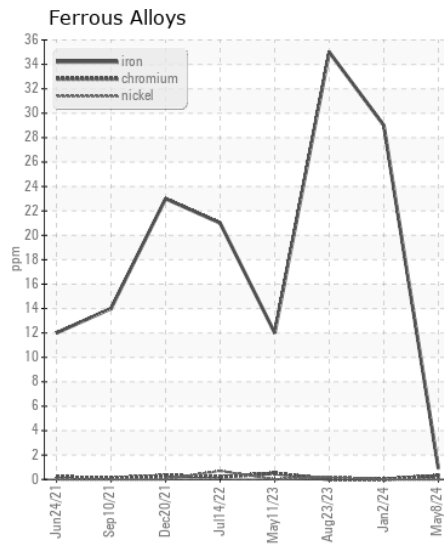
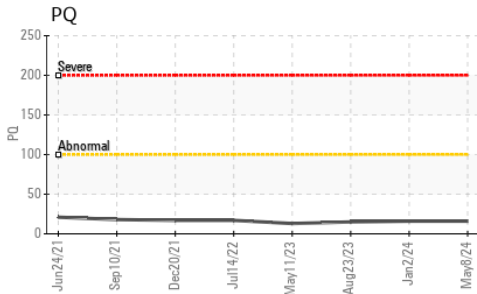
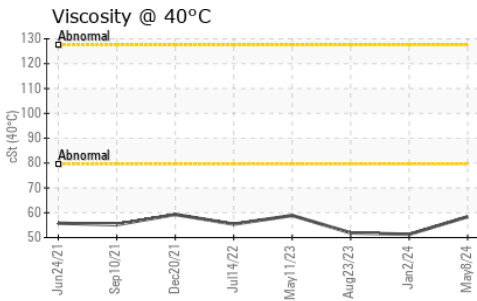
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>5</b>	3	4
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	3
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>	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	>.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>0</b>	3	0
Boron	ppm	ASTM D5185m		<b>0</b>	3	2
Barium	ppm	ASTM D5185m		<b>0</b>	1	4
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>0</b>	1	<1
Magnesium	ppm	ASTM D5185m		<b>99</b>	93	93
Calcium	ppm	ASTM D5185m		<b>3349</b>	3196	3594
Phosphorus	ppm	ASTM D5185m		<b>1118</b>	1032	1096
Zinc	ppm	ASTM D5185m		<b>1221</b>	1190	1252
Sulfur	ppm	ASTM D5185m		<b>3827</b>	3422	4264
Visc @ 40°C	cSt	ASTM D445		<b>58.4</b>	51.3	51.9



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0215050 **Received** : 10 May 2024  
**Lab Number** : 06175794 **Tested** : 13 May 2024  
**Unique Number** : 11021847 **Diagnosed** : 13 May 2024 - Wes Davis  
**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)