



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



Area  
**[W8928]**  
 Machine Id  
**JOHN DEERE 410E 1DW410ETVLF706853**  
 Component  
**Center Differential**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (16 GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: W8928 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0196934</b>	JR0197148	JR0183392
Sample Date		Client Info		<b>23 May 2024</b>	06 Feb 2024	13 Oct 2023
Machine Age	hrs	Client Info		<b>6461</b>	5971	5501
Oil Age	hrs	Client Info		<b>490</b>	2000	5501
Filter Age	hrs	Client Info		<b>490</b>	2000	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Not Changd
Filter Changed		Client Info		<b>Changed</b>	Changed	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>16</b>	19	21
Iron	ppm	ASTM D5185m	>500	<b>23</b>	48	25
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>1</b>	1	<1
Lead	ppm	ASTM D5185m	>25	<b>19</b>	36	0
Copper	ppm	ASTM D5185m	>100	<b>2</b>	5	4
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<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

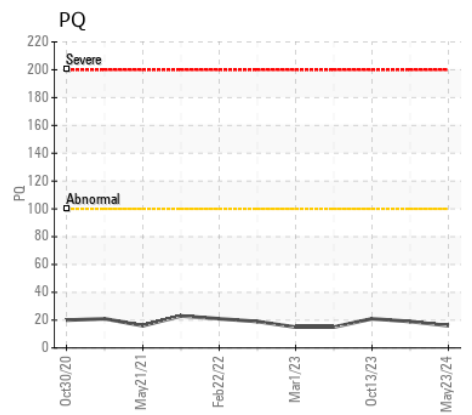
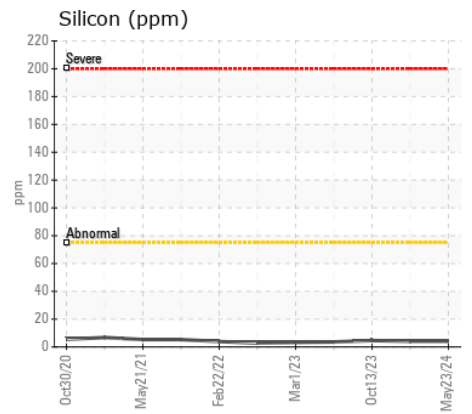
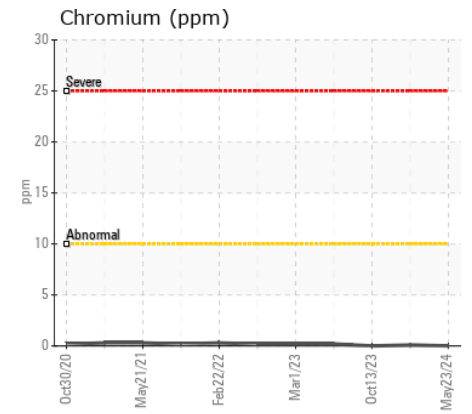
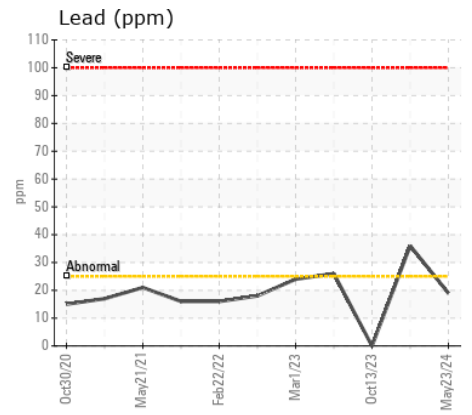
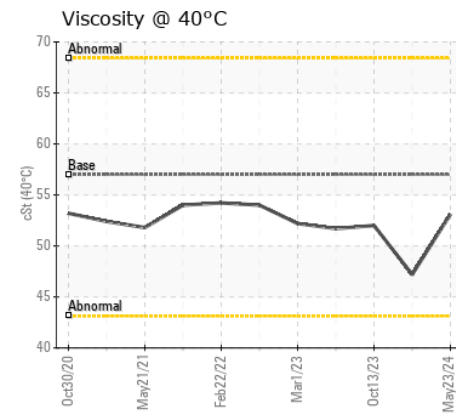
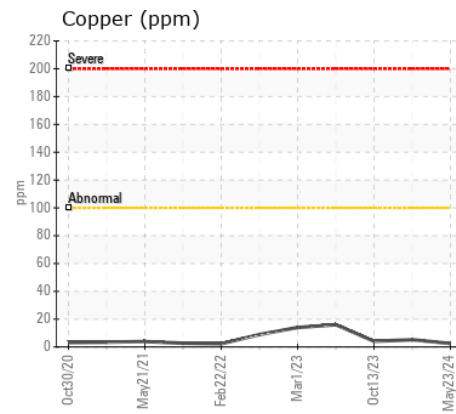
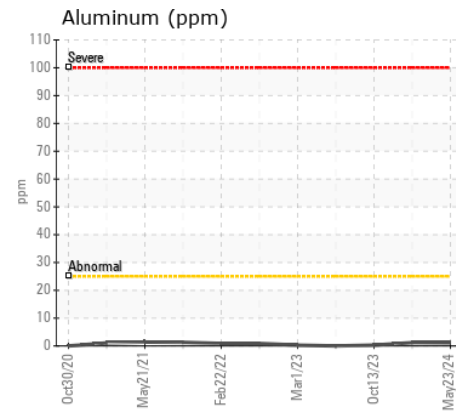
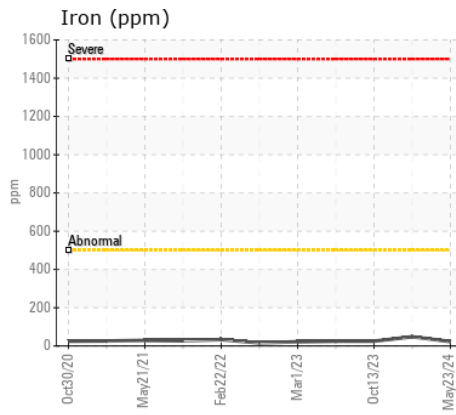
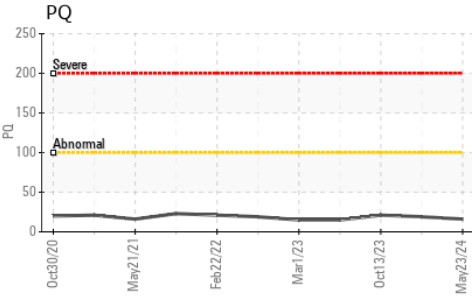
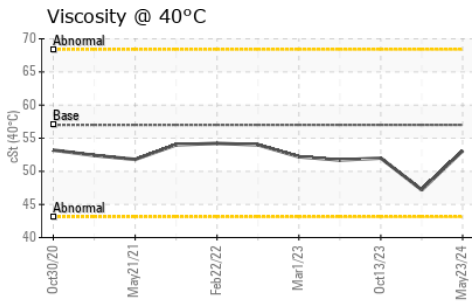
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>4</b>	4	5
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	3	0
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>3</b>	3	4
Boron	ppm	ASTM D5185m	6	<b>3</b>	5	4
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>1</b>	<1	1
Magnesium	ppm	ASTM D5185m	145	<b>111</b>	98	98
Calcium	ppm	ASTM D5185m	3570	<b>3470</b>	3217	2958
Phosphorus	ppm	ASTM D5185m	1290	<b>1018</b>	1018	895
Zinc	ppm	ASTM D5185m	1640	<b>1298</b>	1216	1038
Sulfur	ppm	ASTM D5185m		<b>4110</b>	3768	3019
Visc @ 40°C	cSt	ASTM D445	57.0	<b>53.1</b>	47.2	52.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0196934 **Received** : 24 May 2024  
**Lab Number** : 06190765 **Tested** : 29 May 2024  
**Unique Number** : 11047517 **Diagnosed** : 29 May 2024 - Sean Felton  
**Test Package** : MOBCE ( Additional Tests: PQ )

**JRE - HOPE MILLS/FAYETTEVILLE**  
 5039 HWY 301 SOUTH  
 HOPE MILLS, NC  
 US 28348  
 Contact: FAYETTEVILLE SHOP  
 stephen.mullis@jamesriverequipment.com;canastasio@wearcheck.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)

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F: