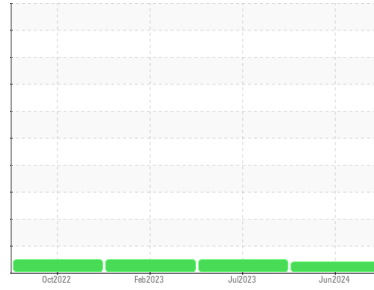




# OIL ANALYSIS REPORT

## Sample Rating Trend



## VISCOSITY



Machine Id

### L-440

Component

### Front Axle

Fluid

### JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

## DIAGNOSIS

### Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

The oil viscosity is lower than normal. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>WC0703803</b>	WC0828526	WC0780394
Sample Date	Client Info			<b>14 Jun 2024</b>	13 Jul 2023	21 Feb 2023
Machine Age	hrs	Client Info		<b>2279</b>	1062	528
Oil Age	hrs	Client Info		<b>1217</b>	534	257
Oil Changed	Client Info			<b>Changed</b>	Changed	Not Changed
Sample Status				<b>ATTENTION</b>	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.2	<b>NEG</b>	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	<b>94</b>	238	75
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	2	0
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	3	<1
Lead	ppm	ASTM D5185m	>25	<b>8</b>	9	3
Copper	ppm	ASTM D5185m	>50	<b>15</b>	22	8
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	2	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

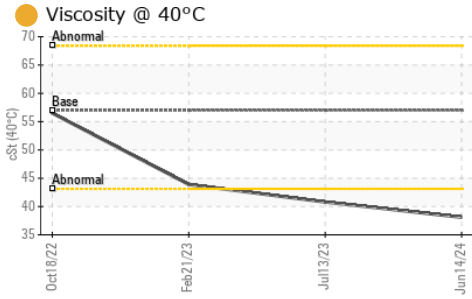
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6	<b>96</b>	109	94
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	1	<1
Manganese	ppm	ASTM D5185m		<b>2</b>	10	4
Magnesium	ppm	ASTM D5185m	145	<b>14</b>	25	28
Calcium	ppm	ASTM D5185m	3570	<b>3105</b>	3712	3297
Phosphorus	ppm	ASTM D5185m	1290	<b>1091</b>	1170	969
Zinc	ppm	ASTM D5185m	1640	<b>1310</b>	1420	1236
Sulfur	ppm	ASTM D5185m		<b>3113</b>	4622	3265

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	<b>13</b>	24	14
Sodium	ppm	ASTM D5185m		<b>2</b>	7	4
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	0

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual	NONE	<b>MODER</b>	MODER	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	>0.2	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual		<b>NEG</b>	NEG	NEG



# OIL ANALYSIS REPORT



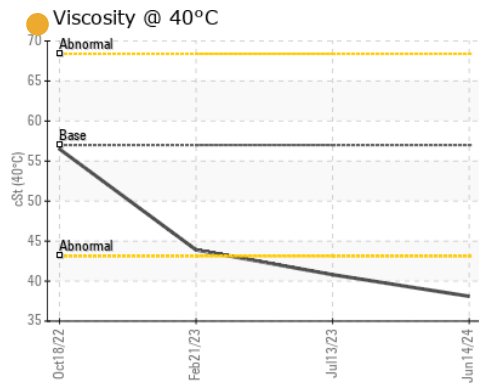
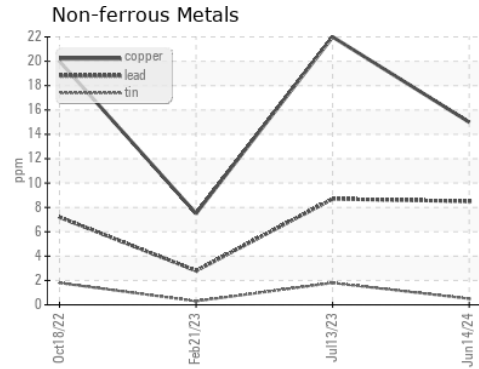
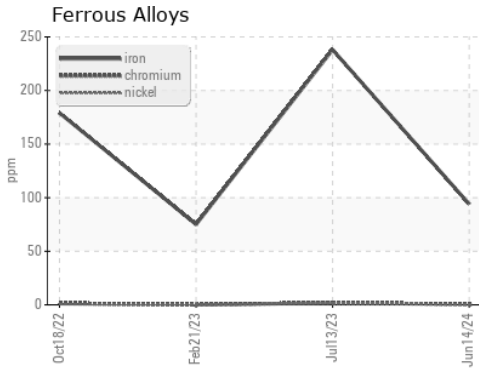
### FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	57.0 <span style="color: orange;">●</span> 38.1	40.8	43.9

### SAMPLE IMAGES

method	limit/base	current	history1	history2
Color				
Bottom				

### GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0703803      **Received** : 18 Jun 2024  
**Lab Number** : 06213869      **Tested** : 20 Jun 2024  
**Unique Number** : 11086733      **Diagnosed** : 20 Jun 2024 - Don Baldrige  
**Test Package** : CONST

**DUKE LAZZARA**  
 4201 FAYETTEVILLE RD  
 RALEIGH, NC  
 US 27603  
 Contact: BRANDON BYRUM  
 b.byrum@dukelazzara.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: