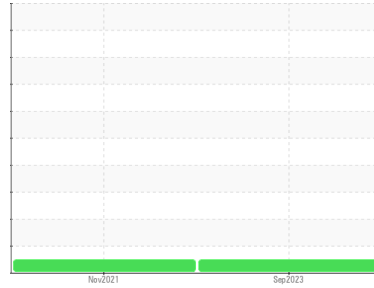


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**


Machine Id  
**JOHN DEERE 848L 1DW848LBLMF710505**  
 Component  
**Transmission (Manual)**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- QTS)**

**DIAGNOSIS**
**Recommendation**

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 fluid.

**Fluid Condition**

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

**SAMPLE INFORMATION**

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>JR0179434</b>	JR0107092	---
Sample Date	Client Info		<b>29 Sep 2023</b>	05 Nov 2021	---
Machine Age	hrs	Client Info	<b>4185</b>	551	---
Oil Age	hrs	Client Info	<b>0</b>	0	---
Oil Changed	Client Info		<b>Changed</b>	Not Changd	---
Sample Status			<b>NORMAL</b>	NORMAL	---

**WEAR METALS**

	method	limit/base	current	history1	history2
PQ	ASTM D8184	>95	<b>16</b>	20	---
Iron	ppm	ASTM D5185m	>200	<b>27</b>	12
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0
Silver	ppm	ASTM D5185m	>7	<b>0</b>	0
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	<1
Lead	ppm	ASTM D5185m	>45	<b>&lt;1</b>	0
Copper	ppm	ASTM D5185m	>225	<b>8</b>	2
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1
Antimony	ppm	ASTM D5185m		<b>---</b>	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	0

**ADDITIVES**

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6	<b>0</b>	<1
Barium	ppm	ASTM D5185m	0	<b>0</b>	0
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1
Manganese	ppm	ASTM D5185m		<b>1</b>	<1
Magnesium	ppm	ASTM D5185m	145	<b>100</b>	92
Calcium	ppm	ASTM D5185m	3570	<b>3395</b>	3478
Phosphorus	ppm	ASTM D5185m	1290	<b>1066</b>	1054
Zinc	ppm	ASTM D5185m	1640	<b>1319</b>	1228
Sulfur	ppm	ASTM D5185m		<b>3693</b>	3206

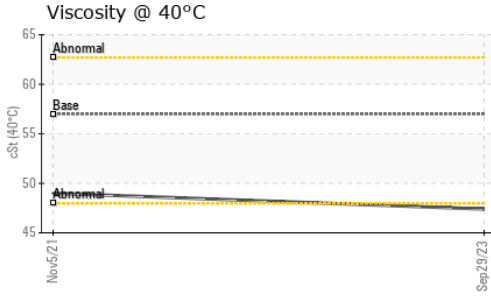
**CONTAMINANTS**

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>125	<b>5</b>	3
Sodium	ppm	ASTM D5185m		<b>8</b>	8
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0

**VISUAL**

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>LIGHT</b>	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG
Free Water	scalar	*Visual		<b>NEG</b>	NEG

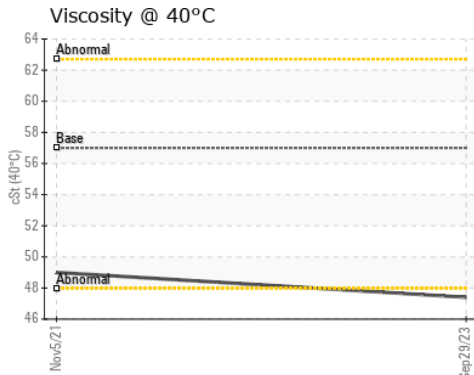
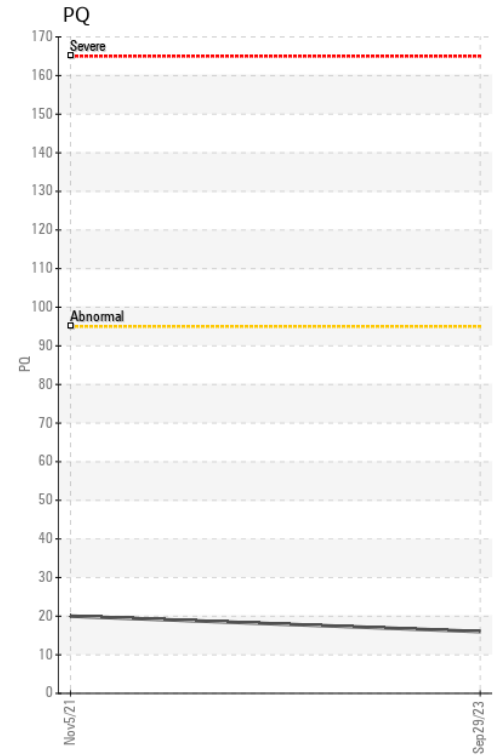
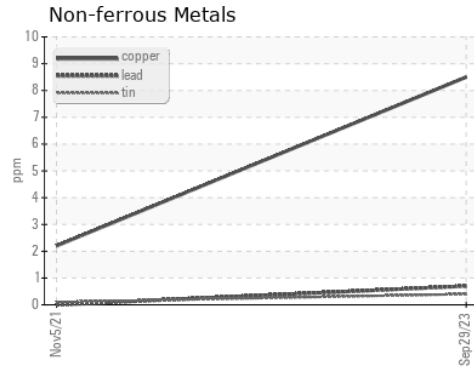
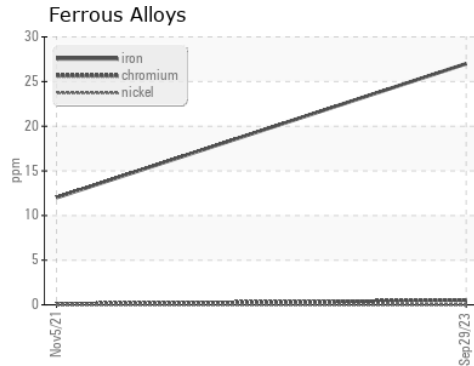
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	57.0	<b>47.4</b>	49.0	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0179434      **Received** : 04 Oct 2023  
**Lab Number** : 05969119      **Diagnosed** : 06 Oct 2023  
**Unique Number** : 10675670      **Diagnostician** : Jonathan Hester  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - ASHLAND**  
 11047 LEADBETTER RD  
 ASHLAND, VA  
 US 23005  
 Contact: DAVID ZIEG  
 dzieg@jamesriverequipment.com  
 T: (804)798-6001  
 F: (804)798-0292

Certificate L2367  
 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)