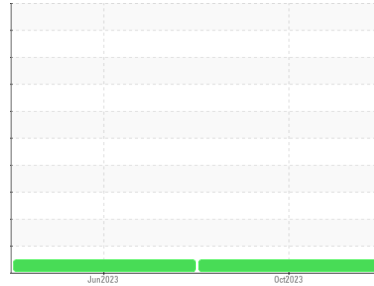


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**


Machine Id  
**JOHN DEERE 843L-II 1DW843LBKPF717020**

Component  
**Front Differential**

Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- GAL)**

**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 oil.

**Fluid Condition**

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>JR0180557</b>	JR0165349	---
Sample Date	Client Info		<b>13 Oct 2023</b>	16 Jun 2023	---
Machine Age	hrs	Client Info	<b>998</b>	497	---
Oil Age	hrs	Client Info	<b>0</b>	497	---
Oil Changed	Client Info		<b>Changed</b>	Changed	---
Sample Status			<b>NORMAL</b>	NORMAL	---

**WEAR METALS**

	method	limit/base	current	history1	history2
PQ	ASTM D8184		<b>10</b>	89	---
Iron	ppm	ASTM D5185m >500	<b>52</b>	111	---
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	1	---
Nickel	ppm	ASTM D5185m >10	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m	<b>0</b>	<1	---
Silver	ppm	ASTM D5185m	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >25	<b>&lt;1</b>	3	---
Lead	ppm	ASTM D5185m >25	<b>0</b>	2	---
Copper	ppm	ASTM D5185m >100	<b>8</b>	14	---
Tin	ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	<1	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	---

**ADDITIVES**

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 6	<b>5</b>	<1	---
Barium	ppm	ASTM D5185m 0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m 0	<b>2</b>	0	---
Manganese	ppm	ASTM D5185m	<b>2</b>	6	---
Magnesium	ppm	ASTM D5185m 145	<b>112</b>	100	---
Calcium	ppm	ASTM D5185m 3570	<b>2943</b>	3467	---
Phosphorus	ppm	ASTM D5185m 1290	<b>914</b>	985	---
Zinc	ppm	ASTM D5185m 1640	<b>1056</b>	1215	---
Sulfur	ppm	ASTM D5185m	<b>3029</b>	4119	---

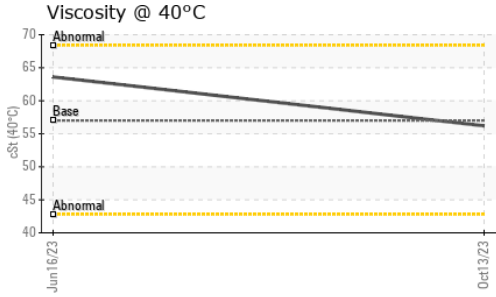
**CONTAMINANTS**

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	<b>5</b>	14	---
Sodium	ppm	ASTM D5185m	<b>3</b>	6	---
Potassium	ppm	ASTM D5185m >20	<b>0</b>	1	---

**VISUAL**

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</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 >.2	<b>NEG</b>	NEG	---
Free Water	scalar	*Visual	<b>NEG</b>	NEG	---

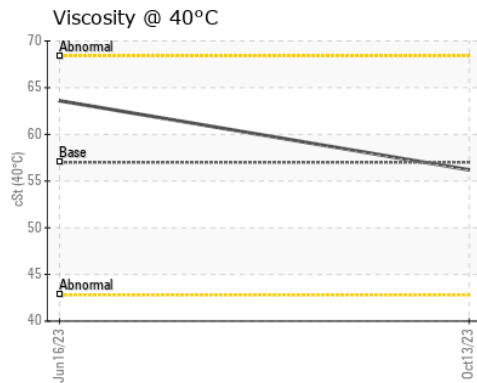
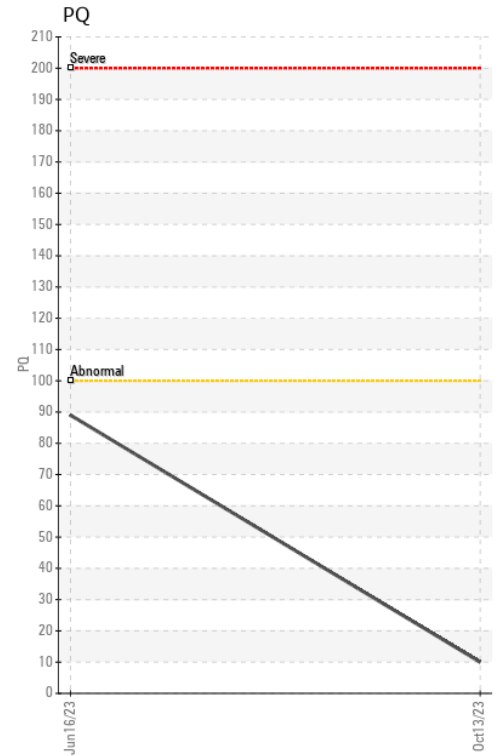
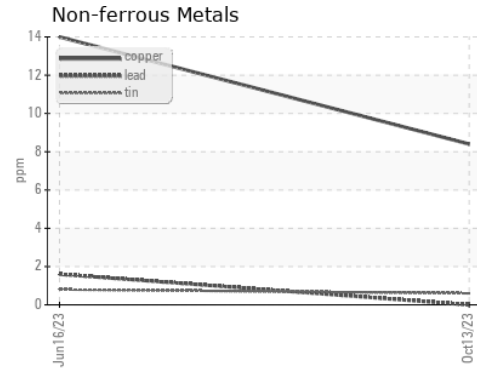
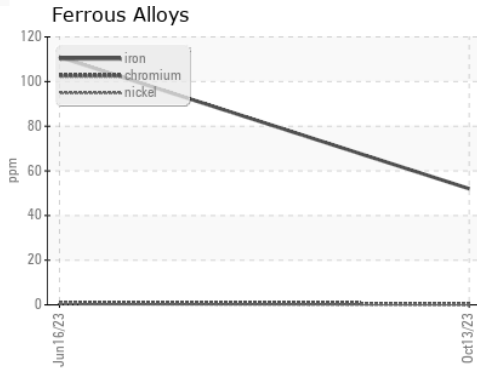
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	57.0	<b>56.2</b>	63.6	---

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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0180557 **Received** : 17 Oct 2023  
**Lab Number** : 05981395 **Diagnosed** : 19 Oct 2023  
**Unique Number** : 10698690 **Diagnostician** : Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

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)

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