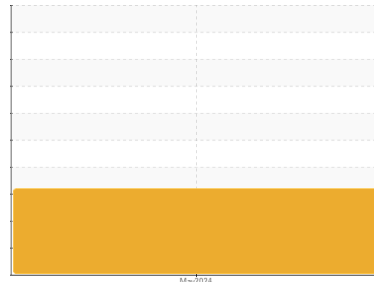


# OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id  
**JOHN DEERE 843L 1DW843LBKMF710421**  
 Component  
**Transmission**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- GAL)**

## DIAGNOSIS

**Recommendation**  
 We advise that you check all areas where dirt can enter the system. The fluid change at the time of sampling has been noted. Resample at the next service interval to monitor.

**Wear**  
 The iron level is abnormal. All other component wear rates are normal.

**Contamination**  
 Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

**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>JR0211468</b>	---	---
Sample Date	Client Info	<b>24 May 2024</b>	---	---
Machine Age	hrs	<b>3095</b>	---	---
Oil Age	hrs	<b>0</b>	---	---
Oil Changed	Client Info	<b>Changed</b>	---	---
Sample Status		<b>ABNORMAL</b>	---	---

## CONTAMINATION

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

## WEAR METALS

method	limit/base	current	history1	history2	
PQ	ASTM D8184	>100	<b>41</b>	---	---
Iron	ppm	ASTM D5185m	>61	<b>▲ 149</b>	---
Chromium	ppm	ASTM D5185m	>10	<b>1</b>	---
Nickel	ppm	ASTM D5185m		<b>&lt;1</b>	---
Titanium	ppm	ASTM D5185m		<b>2</b>	---
Silver	ppm	ASTM D5185m		<b>0</b>	---
Aluminum	ppm	ASTM D5185m	>20	<b>● 14</b>	---
Lead	ppm	ASTM D5185m	>9	<b>0</b>	---
Copper	ppm	ASTM D5185m	>100	<b>1</b>	---
Tin	ppm	ASTM D5185m	>3	<b>&lt;1</b>	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	---

## ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	6	<b>4</b>	---
Barium	ppm	ASTM D5185m	0	<b>2</b>	---
Molybdenum	ppm	ASTM D5185m	0	<b>5</b>	---
Manganese	ppm	ASTM D5185m		<b>2</b>	---
Magnesium	ppm	ASTM D5185m	145	<b>121</b>	---
Calcium	ppm	ASTM D5185m	3570	<b>3425</b>	---
Phosphorus	ppm	ASTM D5185m	1290	<b>1108</b>	---
Zinc	ppm	ASTM D5185m	1640	<b>1277</b>	---
Sulfur	ppm	ASTM D5185m		<b>3823</b>	---

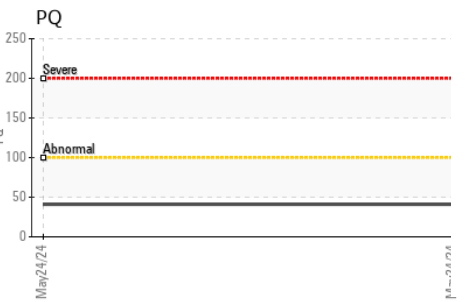
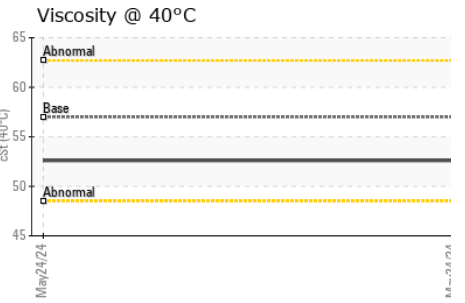
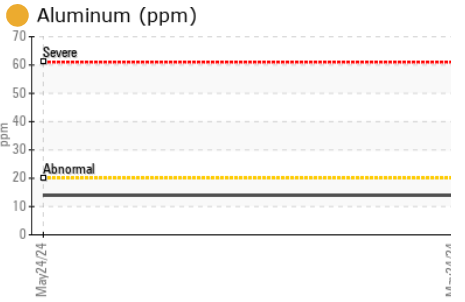
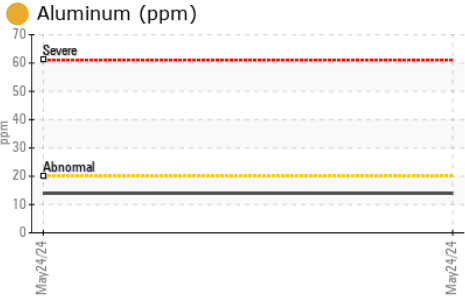
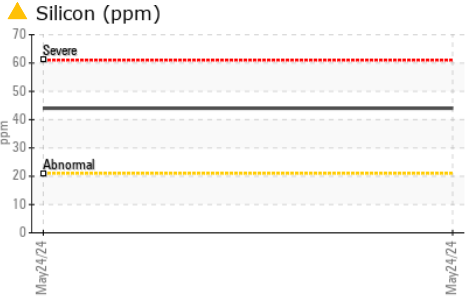
## CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>21	<b>▲ 44</b>	---
Sodium	ppm	ASTM D5185m	>30	<b>2</b>	---
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	---

## VISUAL

method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---
Emulsified Water	scalar	*Visual	>0.075	<b>NEG</b>	---
Free Water	scalar	*Visual		<b>NEG</b>	---

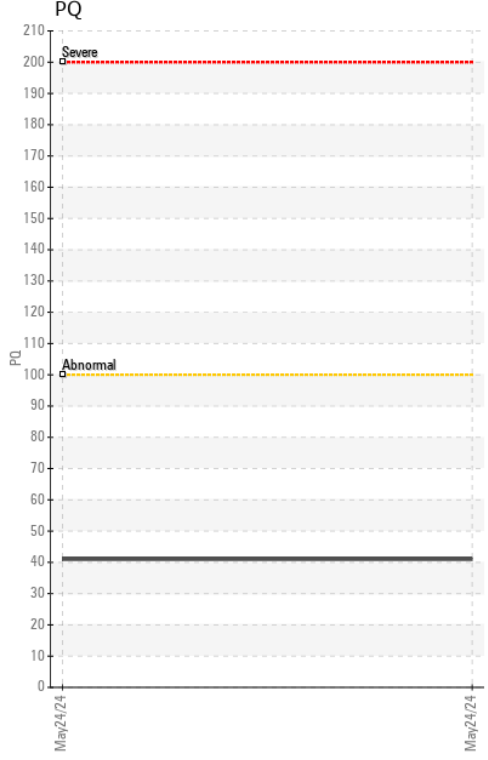
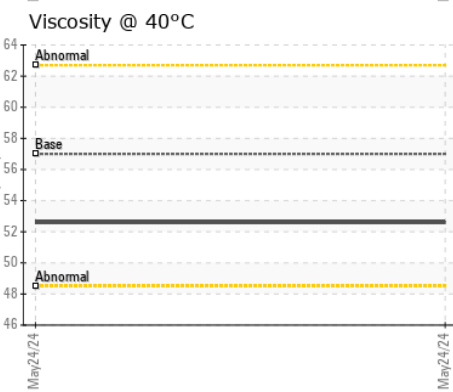
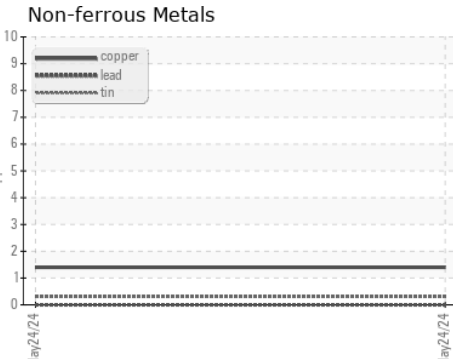
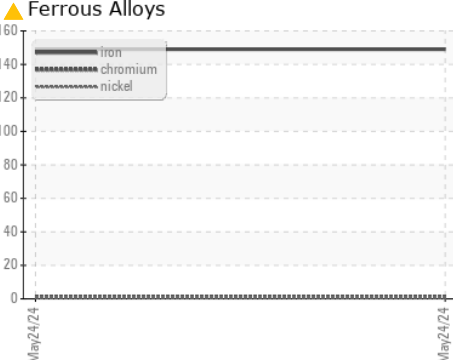
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	57.0	<b>52.6</b>	---

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.** : JR0211468  
**Lab Number** : 06194698  
**Unique Number** : 11056821  
**Test Package** : CONST ( Additional Tests: PQ )

**Received** : 29 May 2024  
**Tested** : 31 May 2024  
**Diagnosed** : 31 May 2024 - Don Baldrige

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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