



# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area

**[W46924]**

Machine Id

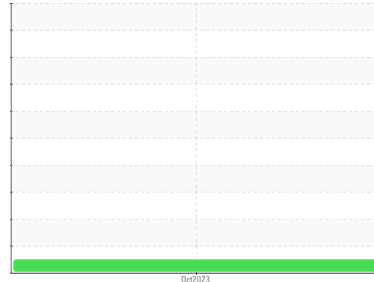
**JOHN DEERE 850L 1T0850LXKPF437810**

Component

**Right Inner Final Drive**

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>JR0179350</b>	---	---
Sample Date	Client Info		<b>03 Oct 2023</b>	---	---
Machine Age	hrs	Client Info	<b>946</b>	---	---
Oil Age	hrs	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>Changed</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184	>1250	<b>36</b>	---	---
Iron	ppm	ASTM D5185m	>750	<b>65</b>	---
Chromium	ppm	ASTM D5185m	>9	<b>&lt;1</b>	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	---
Titanium	ppm	ASTM D5185m		<b>0</b>	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	---
Aluminum	ppm	ASTM D5185m	>40	<b>8</b>	---
Lead	ppm	ASTM D5185m	>15	<b>1</b>	---
Copper	ppm	ASTM D5185m	>40	<b>0</b>	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6	<b>0</b>	---
Barium	ppm	ASTM D5185m	0	<b>0</b>	---
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	---
Manganese	ppm	ASTM D5185m		<b>1</b>	---
Magnesium	ppm	ASTM D5185m	145	<b>102</b>	---
Calcium	ppm	ASTM D5185m	3570	<b>3562</b>	---
Phosphorus	ppm	ASTM D5185m	1290	<b>1104</b>	---
Zinc	ppm	ASTM D5185m	1640	<b>1331</b>	---
Sulfur	ppm	ASTM D5185m		<b>3696</b>	---

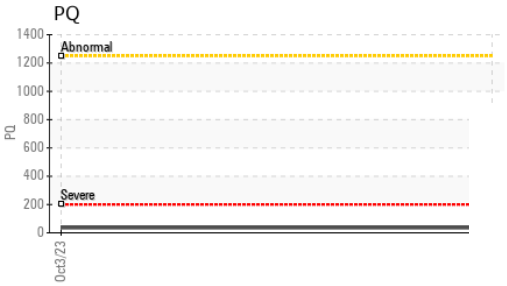
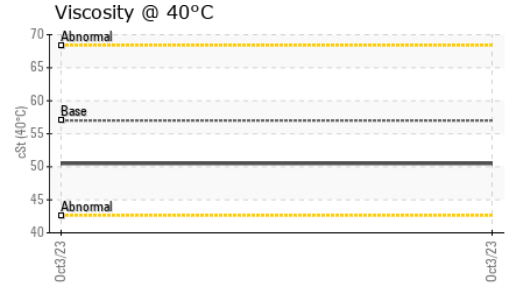
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	<b>5</b>	---
Sodium	ppm	ASTM D5185m	>51	<b>2</b>	---
Potassium	ppm	ASTM D5185m	>20	<b>0</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>	---

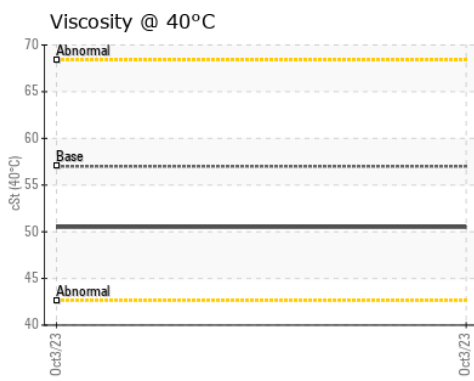
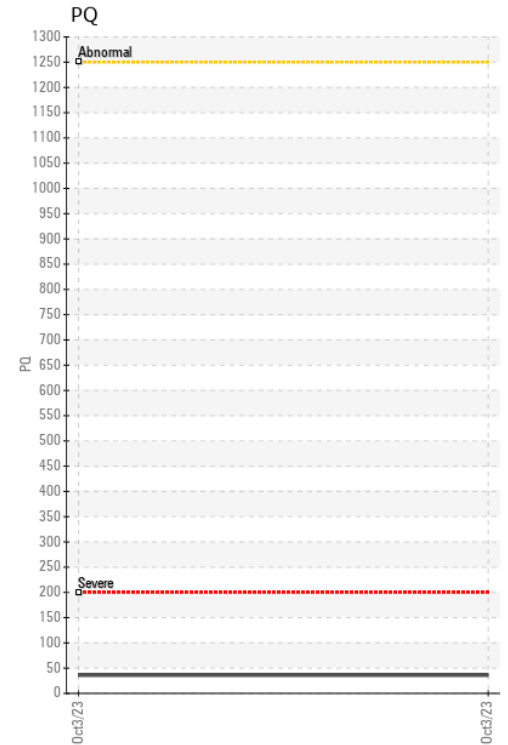
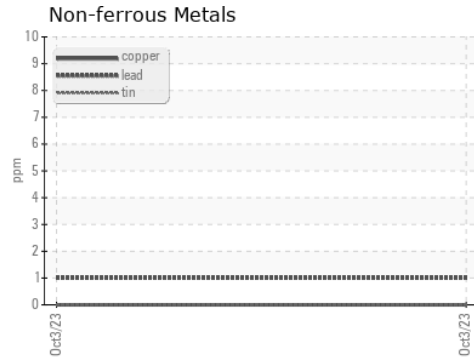
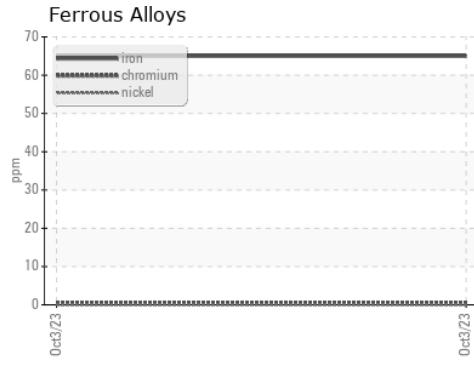
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	57.0	50.5	---

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.** : JR0179350      **Received** : 04 Oct 2023  
**Lab Number** : 05969209      **Diagnosed** : 06 Oct 2023  
**Unique Number** : 10675760      **Diagnostician** : Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - ASHLAND**  
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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)