



# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**JOHN DEERE 410L 1T0410LXJKF358237**  
 Component  
**Rear Left Final Drive**  
 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 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>JR0224978</b>	---	---
Sample Date	Client Info			<b>19 Jun 2024</b>	---	---
Machine Age	hrs	Client Info		<b>1958</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed	Client Info			<b>Not Chngd</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.075	<b>NEG</b>	---	---

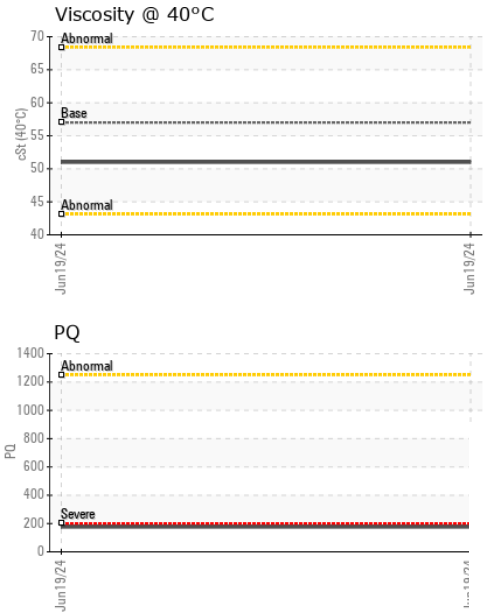
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>1250	<b>176</b>	---	---
Iron	ppm	ASTM D5185m	>750	<b>739</b>	---	---
Chromium	ppm	ASTM D5185m	>9	<b>5</b>	---	---
Nickel	ppm	ASTM D5185m	>10	<b>2</b>	---	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>40	<b>3</b>	---	---
Lead	ppm	ASTM D5185m	>15	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185m	>40	<b>31</b>	---	---
Tin	ppm	ASTM D5185m	>10	<b>1</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6	<b>7</b>	---	---
Barium	ppm	ASTM D5185m	0	<b>4</b>	---	---
Molybdenum	ppm	ASTM D5185m	0	<b>3</b>	---	---
Manganese	ppm	ASTM D5185m		<b>9</b>	---	---
Magnesium	ppm	ASTM D5185m	145	<b>106</b>	---	---
Calcium	ppm	ASTM D5185m	3570	<b>3599</b>	---	---
Phosphorus	ppm	ASTM D5185m	1290	<b>1098</b>	---	---
Zinc	ppm	ASTM D5185m	1640	<b>1196</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>4167</b>	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	<b>18</b>	---	---
Sodium	ppm	ASTM D5185m	>51	<b>9</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</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>	---	---

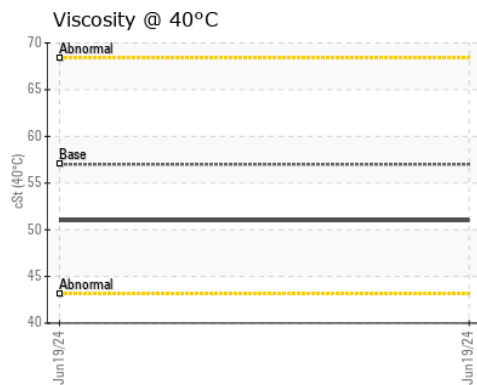
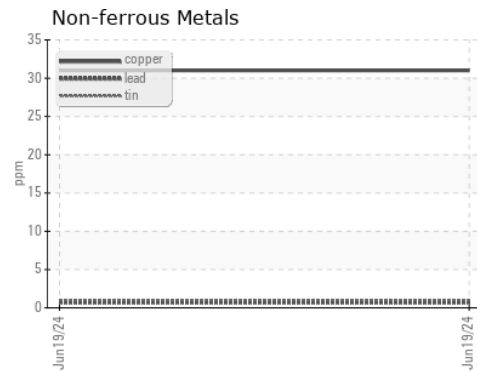
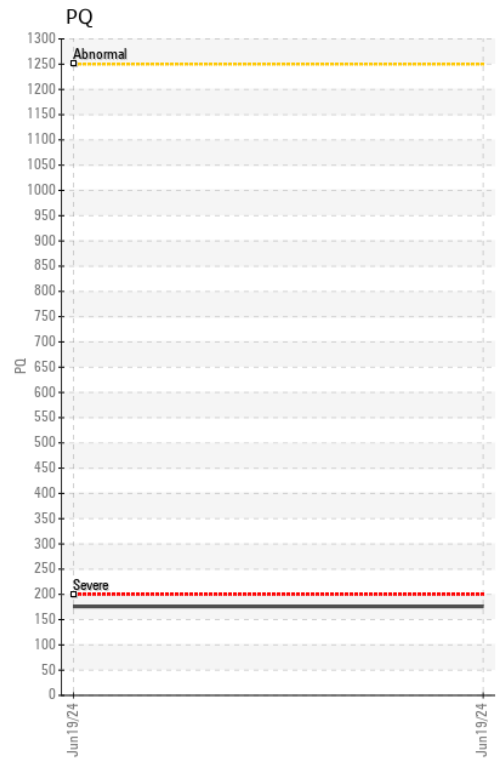
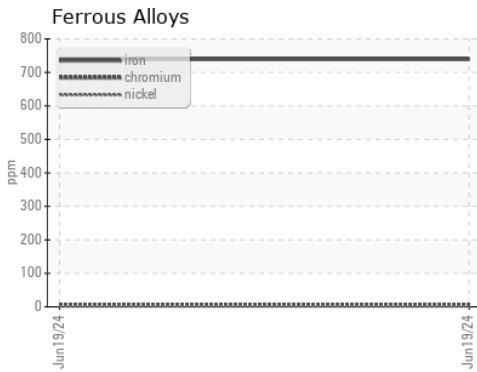
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	57.0	<b>51.0</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.** : JR0224978      **Received** : 21 Jun 2024  
**Lab Number** : **06217073**      **Tested** : 24 Jun 2024  
**Unique Number** : 11089937      **Diagnosed** : 24 Jun 2024 - Wes Davis  
**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)