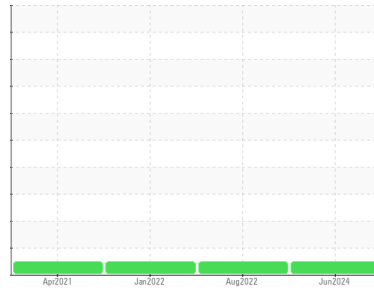


# OIL ANALYSIS REPORT

### Sample Rating Trend



**NORMAL**



Machine Id  
**JOHN DEERE 410L 1T0410LXJKF358237**  
 Component  
**Rear Differential**  
 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>JR0224980</b>	JR0139898	JR0111213
Sample Date	Client Info			<b>14 Jun 2024</b>	31 Aug 2022	26 Jan 2022
Machine Age	hrs	Client Info		<b>1958</b>	1470	991
Oil Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed	Client Info			<b>Not Changed</b>	Not Changed	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

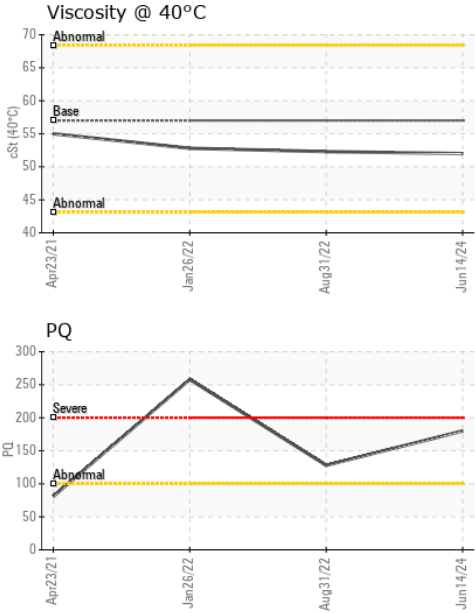
CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>.2	<b>NEG</b>	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		<b>180</b>	128	258
Iron	ppm	ASTM D5185m	>500	<b>742</b>	782	598
Chromium	ppm	ASTM D5185m	>10	<b>5</b>	5	3
Nickel	ppm	ASTM D5185m	>10	<b>2</b>	3	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>4</b>	4	2
Lead	ppm	ASTM D5185m	>25	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185m	>100	<b>30</b>	29	22
Tin	ppm	ASTM D5185m	>10	<b>1</b>	2	<1
Antimony	ppm	ASTM D5185m	>5	<b>---</b>	---	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6	<b>6</b>	11	6
Barium	ppm	ASTM D5185m	0	<b>4</b>	4	4
Molybdenum	ppm	ASTM D5185m	0	<b>3</b>	2	2
Manganese	ppm	ASTM D5185m		<b>9</b>	9	8
Magnesium	ppm	ASTM D5185m	145	<b>106</b>	108	102
Calcium	ppm	ASTM D5185m	3570	<b>3617</b>	3341	3299
Phosphorus	ppm	ASTM D5185m	1290	<b>1095</b>	998	940
Zinc	ppm	ASTM D5185m	1640	<b>1231</b>	1176	1166
Sulfur	ppm	ASTM D5185m		<b>4504</b>	3546	3127

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	<b>22</b>	19	16
Sodium	ppm	ASTM D5185m		<b>8</b>	5	6
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	0	0

# OIL ANALYSIS REPORT

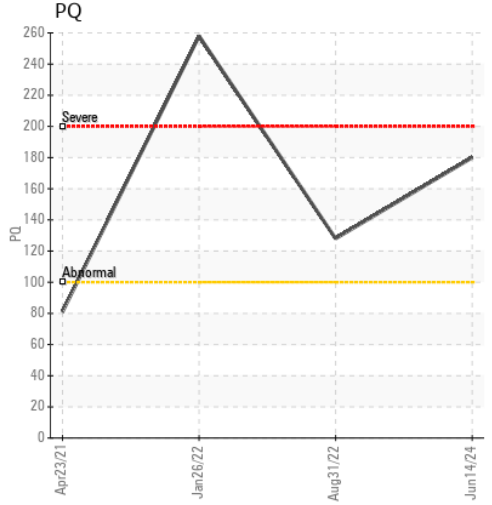
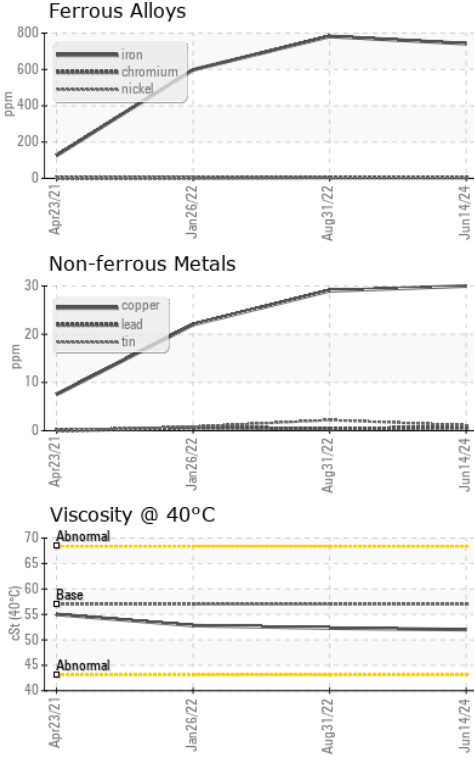


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	VLITE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	57.0	<b>52.0</b>	52.3	52.8

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0224980      **Received** : 21 Jun 2024  
**Lab Number** : **06217076**      **Tested** : 24 Jun 2024  
**Unique Number** : 11089940      **Diagnosed** : 24 Jun 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - ASHLAND**  
 11047 LEADBETTER RD  
 ASHLAND, VA  
 US 23005

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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 F: (804)798-0292