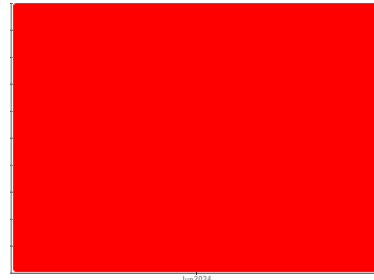


# PROBLEM SUMMARY

Sample Rating Trend

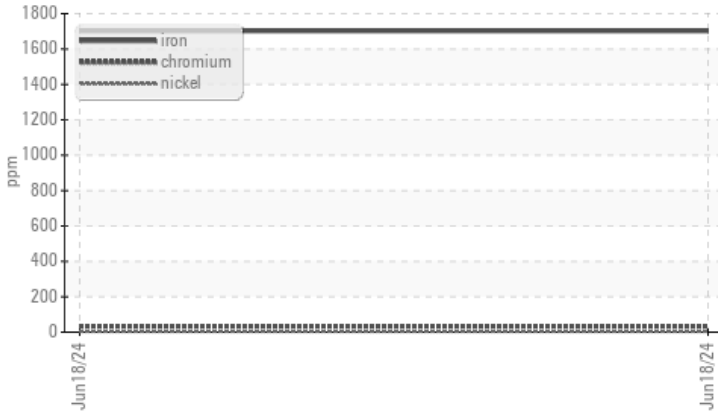
**WEAR**

Area  
**[W52553 USA CIVIL]**  
 Machine Id  
**JOHN DEERE 333G 1T0333GMKPF455922**  
 Component  
**Left Final Drive**  
 Fluid  
**JOHN DEERE GL-5 80W90 (--- GAL)**



## COMPONENT CONDITION SUMMARY

### ▲ Ferrous Alloys



## RECOMMENDATION

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

## PROBLEMATIC TEST RESULTS

Sample Status	SEVERE	---	---
Iron ppm ASTM D5185m >750	▲ 1702	---	---
Chromium ppm ASTM D5185m >9	▲ 32	---	---

Customer Id: JAMASH  
 Sample No.: JR0224933  
 Lab Number: 06217071  
 Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Sean Felton +1 919-379-4092  
[sfelton@wearcheckusa.com](mailto:sfelton@wearcheckusa.com)

To change component or sample information:  
 Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

## RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Inspect Wear Source	---	---	?	We advise that you inspect for the source(s) of wear.
Resample	---	---	?	We recommend an early resample to monitor this condition.

## HISTORICAL DIAGNOSIS

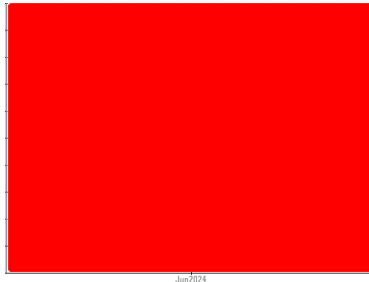
# OIL ANALYSIS REPORT

Sample Rating Trend

**WEAR**



Area  
**[W52553 USA CIVIL]**  
 Machine Id  
**JOHN DEERE 333G 1T0333GMKPF455922**  
 Component  
**Left Final Drive**  
 Fluid  
**JOHN DEERE GL-5 80W90 (--- GAL)**



## DIAGNOSIS

**▲ Recommendation**  
 The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

**▲ Wear**  
 Gear wear is indicated.

**Contamination**  
 There is no indication of any contamination in the oil.

**Fluid Condition**  
 The oil is no longer serviceable as a result of the abnormal and/or severe wear.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>JR0224933</b>	---	---
Sample Date	Client Info		<b>18 Jun 2024</b>	---	---
Machine Age	hrs	Client Info	<b>459</b>	---	---
Oil Age	hrs	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>Changed</b>	---	---
Sample Status			<b>SEVERE</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>289</b>	---	---
Iron	ppm	ASTM D5185m	>750	<b>▲ 1702</b>	---
Chromium	ppm	ASTM D5185m	>9	<b>▲ 32</b>	---
Nickel	ppm	ASTM D5185m	>10	<b>4</b>	---
Titanium	ppm	ASTM D5185m		<b>2</b>	---
Silver	ppm	ASTM D5185m		<b>0</b>	---
Aluminum	ppm	ASTM D5185m	>40	<b>7</b>	---
Lead	ppm	ASTM D5185m	>15	<b>0</b>	---
Copper	ppm	ASTM D5185m	>40	<b>3</b>	---
Tin	ppm	ASTM D5185m	>10	<b>0</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		<b>2</b>	---
Barium	ppm	ASTM D5185m		<b>104</b>	---
Molybdenum	ppm	ASTM D5185m		<b>3</b>	---
Manganese	ppm	ASTM D5185m		<b>17</b>	---
Magnesium	ppm	ASTM D5185m		<b>17</b>	---
Calcium	ppm	ASTM D5185m		<b>24</b>	---
Phosphorus	ppm	ASTM D5185m		<b>260</b>	---
Zinc	ppm	ASTM D5185m		<b>19</b>	---
Sulfur	ppm	ASTM D5185m		<b>18772</b>	---

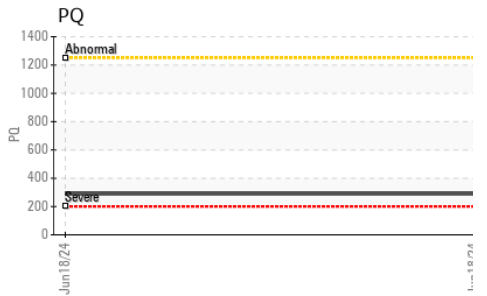
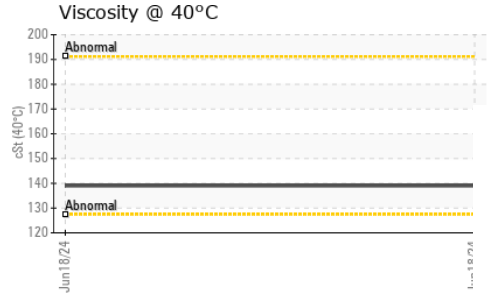
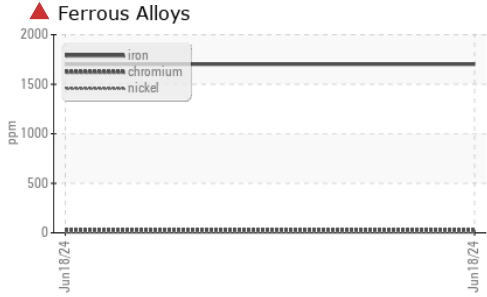
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	<b>51</b>	---
Sodium	ppm	ASTM D5185m	>51	<b>14</b>	---
Potassium	ppm	ASTM D5185m	>20	<b>12</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>	---

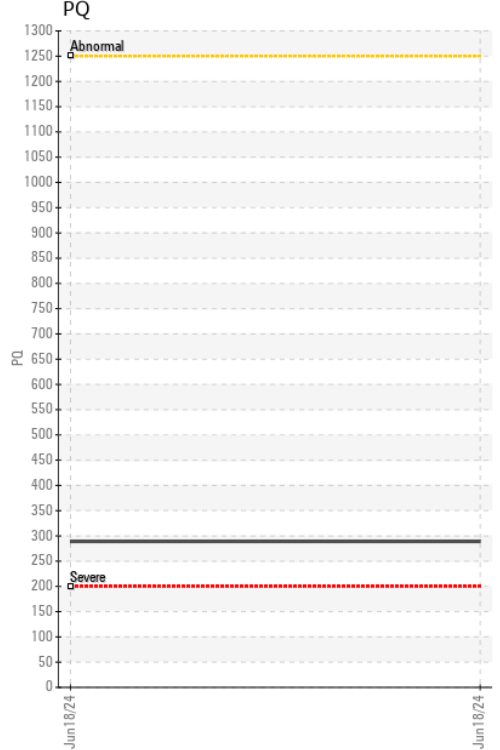
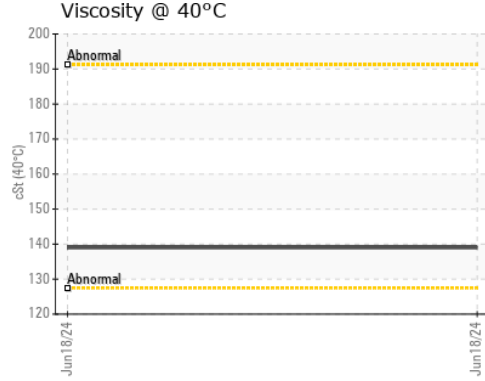
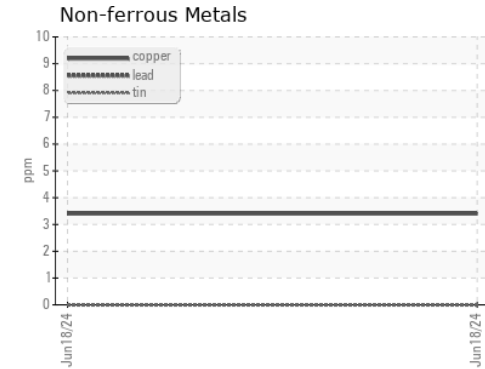
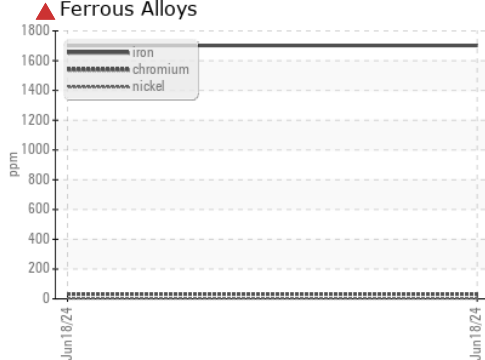
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	<b>139</b>	---	---

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0224933      **Received** : 21 Jun 2024  
**Lab Number** : **06217071**      **Tested** : 24 Jun 2024  
**Unique Number** : 11089935      **Diagnosed** : 24 Jun 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

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

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)