



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area  
**[232292]**

Machine Id  
**JOHN DEERE 1FF190GWCMF052117**

Component  
**Rear Left Final Drive**

Fluid  
**JOHN DEERE HY-GARD HYDRAULIC/RANSMISSION (8 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: 232292 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WE0007686</b>	---	---
Sample Date		Client Info		<b>01 Jul 2024</b>	---	---
Machine Age	hrs	Client Info		<b>1207</b>	---	---
Oil Age	hrs	Client Info		<b>1207</b>	---	---
Filter Age	hrs	Client Info		<b>1207</b>	---	---
Oil Changed		Client Info		<b>Not Changd</b>	---	---
Filter Changed		Client Info		<b>None</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

## WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>34</b>	---	---
Iron	ppm	ASTM D5185m	>750	<b>33</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>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>40	<b>&lt;1</b>	---	---
Lead	ppm	ASTM D5185m	>15	<b>0</b>	---	---
Copper	ppm	ASTM D5185m	>40	<b>11</b>	---	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---

## CONTAMINATION

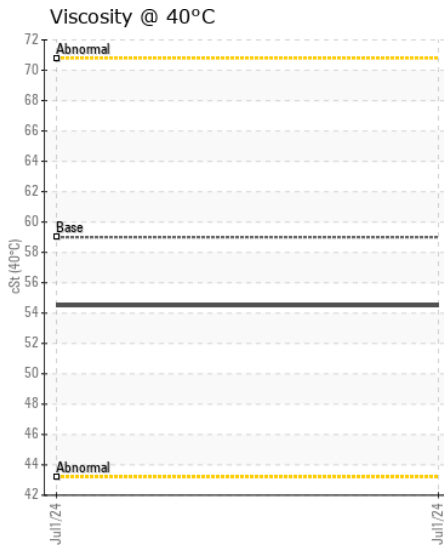
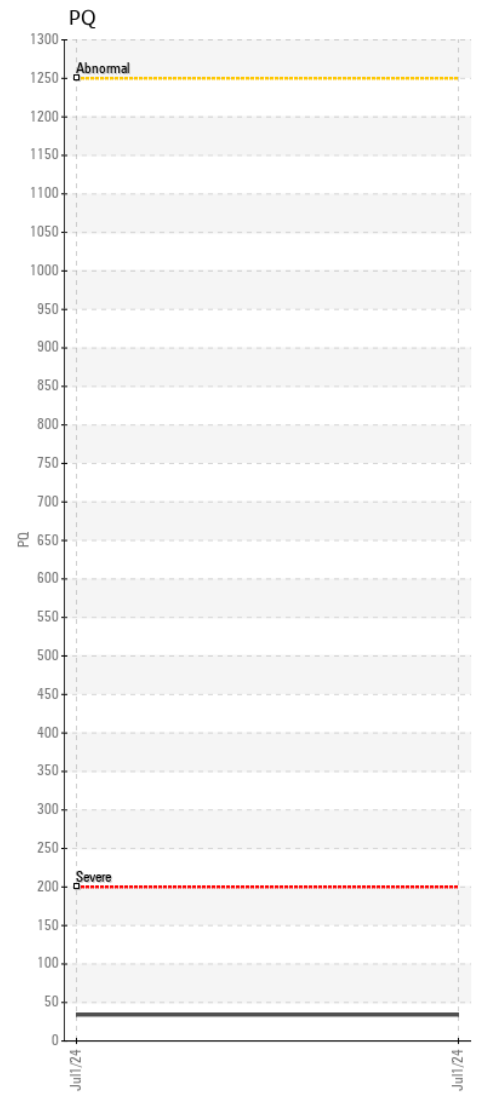
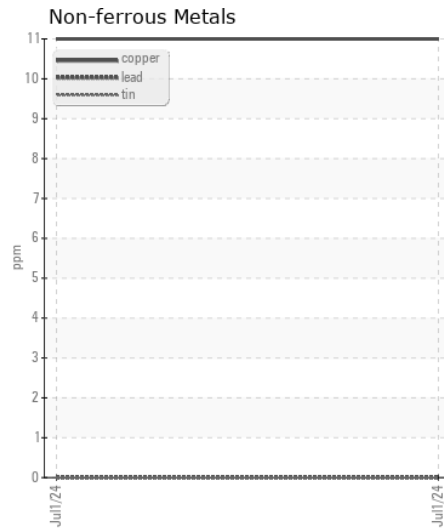
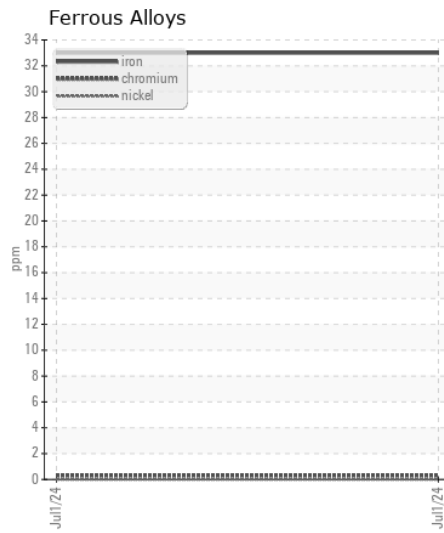
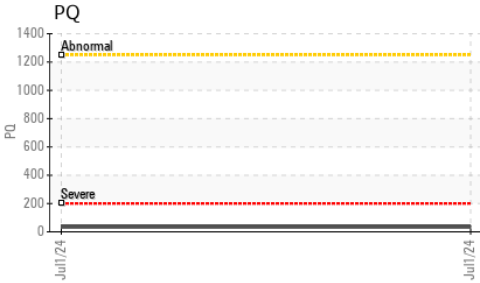
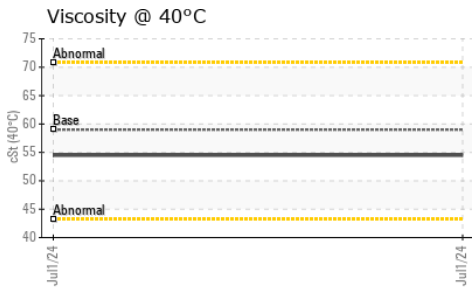
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>9</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	---	---
Water		WC Method	>0.075	<b>NEG</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>	---	---

## FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<b>18</b>	---	---
Boron	ppm	ASTM D5185m		<b>109</b>	---	---
Barium	ppm	ASTM D5185m		<b>2</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	---	---
Manganese	ppm	ASTM D5185m		<b>4</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>15</b>	---	---
Calcium	ppm	ASTM D5185m		<b>3488</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>1162</b>	---	---
Zinc	ppm	ASTM D5185m		<b>1418</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>4098</b>	---	---
Visc @ 40°C	cSt	ASTM D445	59	<b>54.5</b>	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : WE0007686

**Lab Number** : 06227850

**Unique Number** : 11111343

**Test Package** : CONST ( Additional Tests: PQ )

**Received** : 03 Jul 2024

**Tested** : 07 Jul 2024

**Diagnosed** : 07 Jul 2024 - Don Baldrige

**WARRIOR TRACTOR AND EQUIPMENT - HUNTSVILLE**

25135 ONE AVIATION WAY SW

MADISON, AL

US 35756

Contact: BOBBY LUCKY

warriorparts033@gmail.com

T:

F:

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)