



# OIL ANALYSIS REPORT

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

Area  
**[A35229]**

Machine Id  
**JOHN DEERE 437E 427E (S/N 1T0437edlh306837)**

Component  
**Case Drain Swing Drive**

Fluid  
**JOHN DEERE GL-5 80W90 (2 GAL)**

## RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. ( Customer Sample Comment: A35229 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WE0006602</b>	---	---
Sample Date		Client Info		<b>18 Apr 2024</b>	---	---
Machine Age	hrs	Client Info		<b>4787</b>	---	---
Oil Age	hrs	Client Info		<b>787</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>Changed</b>	---	---
Filter Changed		Client Info		<b>N/A</b>	---	---
Sample Status				<b>ABNORMAL</b>	---	---

## WEAR

Gear wear is indicated.

PQ		ASTM D8184		<b>102</b>	---	---
Iron	ppm	ASTM D5185m	>151	<b>▲ 160</b>	---	---
Chromium	ppm	ASTM D5185m	>11	<b>4</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	>21	<b>&lt;1</b>	---	---
Lead	ppm	ASTM D5185m	>51	<b>0</b>	---	---
Copper	ppm	ASTM D5185m	>51	<b>24</b>	---	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</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

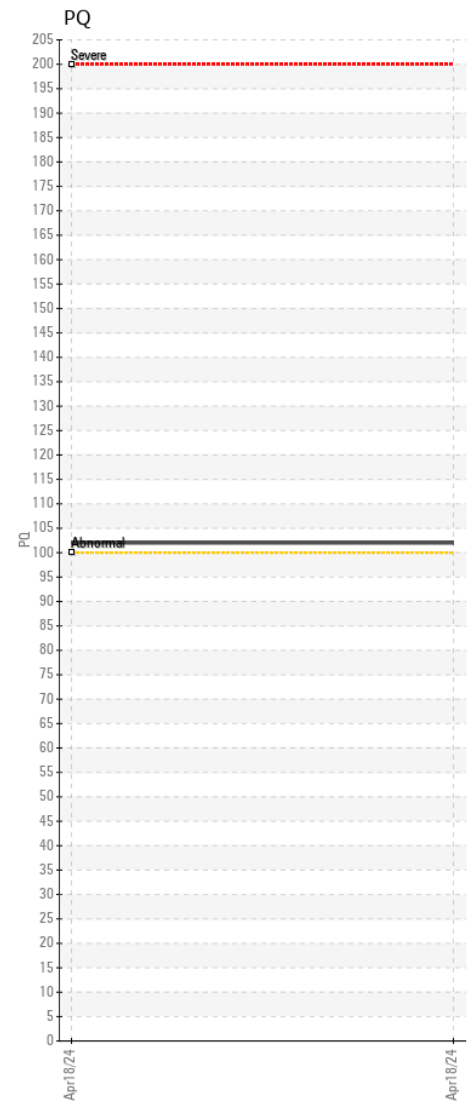
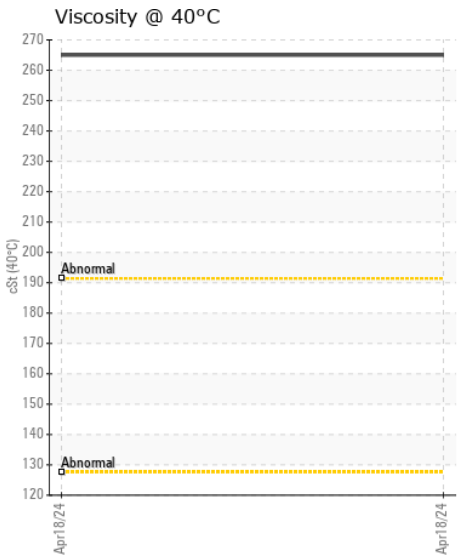
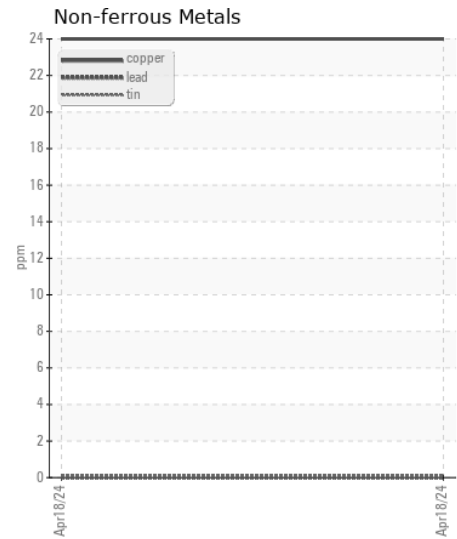
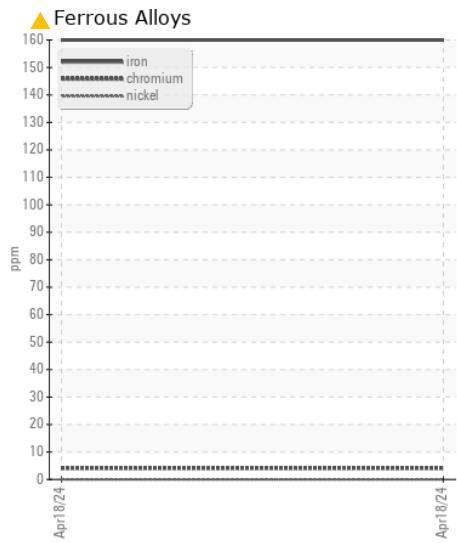
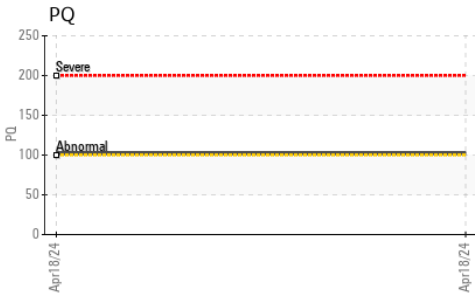
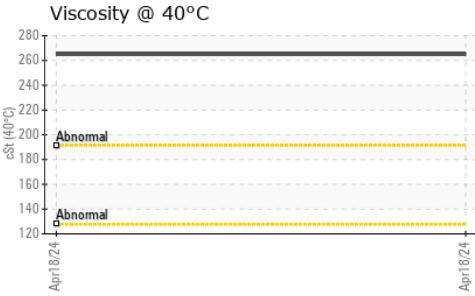
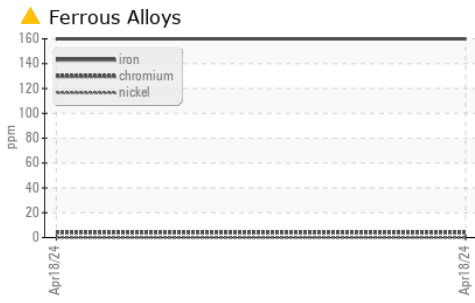
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>10</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	---	---
Water		WC Method	>0.1	<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	>0.1	<b>NEG</b>	---	---

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	<b>5</b>	---	---
Boron	ppm	ASTM D5185m		<b>0</b>	---	---
Barium	ppm	ASTM D5185m		<b>12</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	---	---
Manganese	ppm	ASTM D5185m		<b>6</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>7</b>	---	---
Calcium	ppm	ASTM D5185m		<b>31</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>659</b>	---	---
Zinc	ppm	ASTM D5185m		<b>45</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>29865</b>	---	---
Visc @ 40°C	cSt	ASTM D445		<b>265</b>	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WE0006602 **Received** : 22 Apr 2024  
**Lab Number** : 06156220 **Tested** : 23 Apr 2024  
**Unique Number** : 10991643 **Diagnosed** : 24 Apr 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**WARRIOR TRACTOR AND EQUIPMENT - HUNTSVILLE**  
 25135 ONE AVIATION WAY SW  
 MADISON, AL  
 US 35756  
 Contact: BOBBY LUCKY  
 warriorparts033@gmail.com

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)

T:  
F: