



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area

**[A35845]**

Machine Id

**JOHN DEERE 310E 1T0310ELKJG338907**

Component

**Rear Rear Left Final Drive**

Fluid

**JOHN DEERE HY-GARD HYDRAULIC/RANSMISSION (2 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: A35845 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WE0007711	---	---
Sample Date		Client Info		16 Jul 2024	---	---
Machine Age	hrs	Client Info		2196	---	---
Oil Age	hrs	Client Info		2196	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

## WEAR

Metal levels are typical for a new component breaking in.

PQ		ASTM D8184	>1250	293	---	---
Iron	ppm	ASTM D5185m	>750	730	---	---
Chromium	ppm	ASTM D5185m	>9	3	---	---
Nickel	ppm	ASTM D5185m	>10	2	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		<1	---	---
Aluminum	ppm	ASTM D5185m	>40	4	---	---
Lead	ppm	ASTM D5185m	>15	0	---	---
Copper	ppm	ASTM D5185m	>40	117	---	---
Tin	ppm	ASTM D5185m	>10	<1	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

## CONTAMINATION

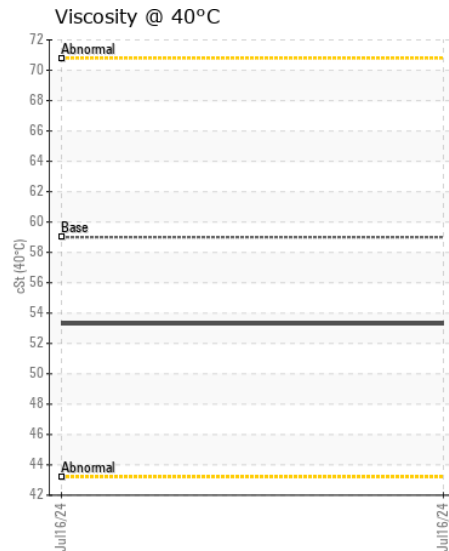
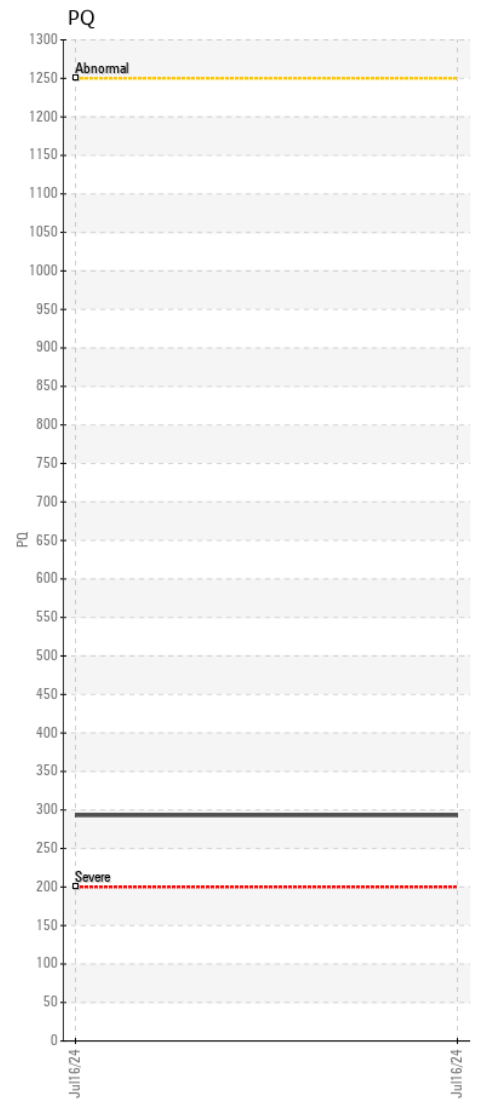
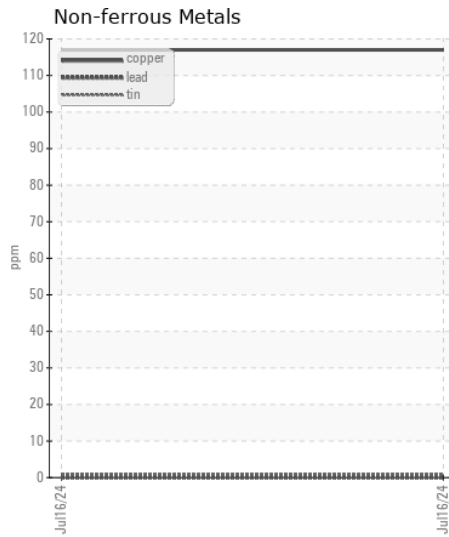
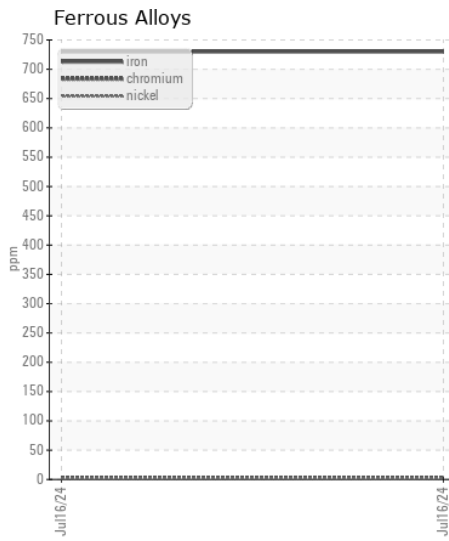
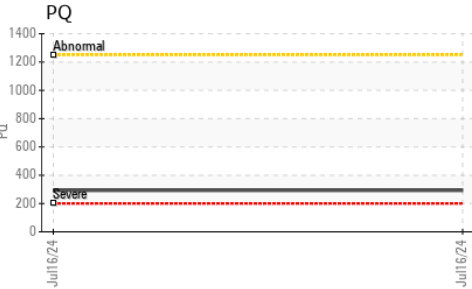
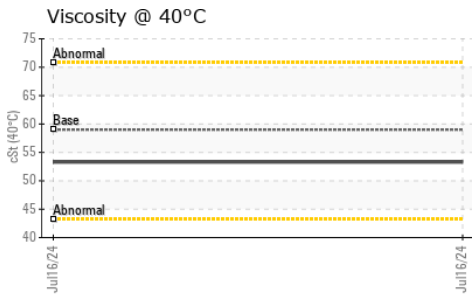
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	12	---	---
Potassium	ppm	ASTM D5185m	>20	2	---	---
Water		WC Method	>0.075	NEG	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.075	NEG	---	---

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	0	---	---
Boron	ppm	ASTM D5185m		3	---	---
Barium	ppm	ASTM D5185m		<1	---	---
Molybdenum	ppm	ASTM D5185m		4	---	---
Manganese	ppm	ASTM D5185m		6	---	---
Magnesium	ppm	ASTM D5185m		100	---	---
Calcium	ppm	ASTM D5185m		3698	---	---
Phosphorus	ppm	ASTM D5185m		1095	---	---
Zinc	ppm	ASTM D5185m		1269	---	---
Sulfur	ppm	ASTM D5185m		3670	---	---
Visc @ 40°C	cSt	ASTM D445	59	53.3	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WE0007711 **Received** : 18 Jul 2024  
**Lab Number** : 06240584 **Tested** : 19 Jul 2024  
**Unique Number** : 11129418 **Diagnosed** : 20 Jul 2024 - Don Baldrige  
**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)

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F: