



# OIL ANALYSIS REPORT

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



Machine Id  
**JOHN DEERE 350 OFF RD TK 40351 (S/N 200948)**  
 Component  
**Front Left Final Drive**  
 Fluid  
**ATF (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0905323</b>	WC0846513	WC0786236
Sample Date		Client Info		<b>22 Feb 2024</b>	05 Sep 2023	07 Feb 2023
Machine Age	hrs	Client Info		<b>17177</b>	16703	16037
Oil Age	hrs	Client Info		<b>500</b>	1500	0
Filter Age	hrs	Client Info		<b>0</b>	1500	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Not Changd
Filter Changed		Client Info		<b>N/A</b>	Changed	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>750	<b>80</b>	54	78
Chromium	ppm	ASTM D5185m	>9	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>0</b>	2	0
Lead	ppm	ASTM D5185m	>15	<b>2</b>	<1	1
Copper	ppm	ASTM D5185m	>40	<b>10</b>	11	7
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

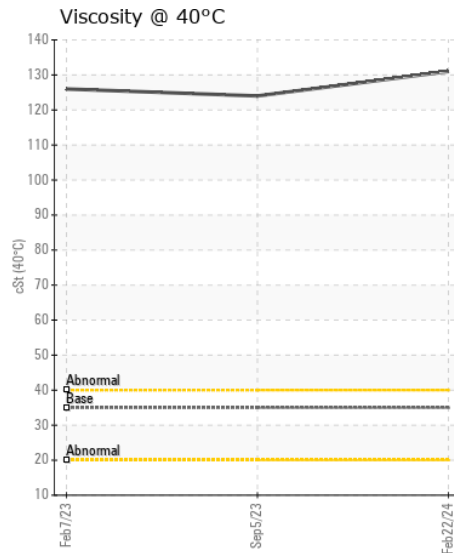
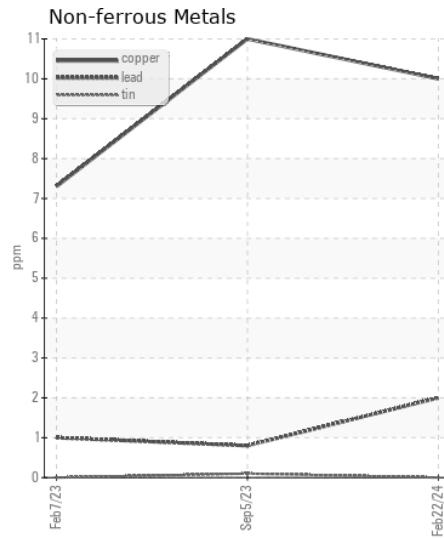
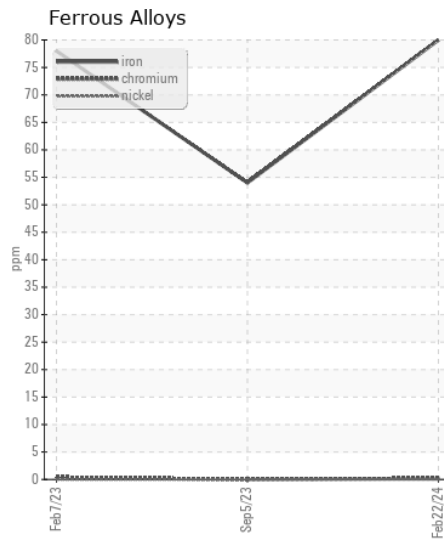
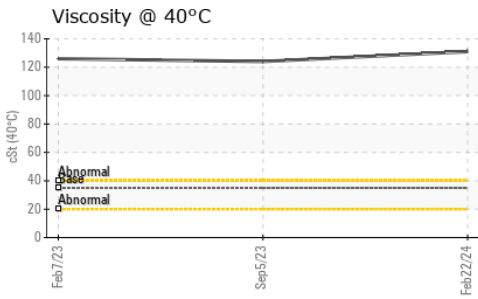
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>7</b>	16	6
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	4	2
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	<b>NEG</b>	NEG	0.2%

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	<b>2</b>	1	1
Boron	ppm	ASTM D5185m		<b>133</b>	183	147
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>1</b>	5	4
Manganese	ppm	ASTM D5185m		<b>8</b>	2	7
Magnesium	ppm	ASTM D5185m		<b>1</b>	17	9
Calcium	ppm	ASTM D5185m		<b>33</b>	83	48
Phosphorus	ppm	ASTM D5185m		<b>1475</b>	1699	1514
Zinc	ppm	ASTM D5185m		<b>26</b>	70	40
Sulfur	ppm	ASTM D5185m		<b>18179</b>	25056	19627
Visc @ 40°C	cSt	ASTM D445	35.0	<b>131</b>	124	126



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0905323  
**Lab Number** : 06100463  
**Unique Number** : 10898693  
**Test Package** : CONST

**Received** : 26 Feb 2024  
**Tested** : 27 Feb 2024  
**Diagnosed** : 28 Feb 2024 - Don Baldrige

**SULLIVAN EASTERN INC**  
 2860 C SLATER RD  
 MORRISVILLE, NC  
 US 27560

Contact: SCOTT SULLIVAN  
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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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