



# OIL ANALYSIS REPORT

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

Machine Id  
**JOHN DEERE 26143**  
 Component  
**Right Final Drive**  
 Fluid  
**ISO 68 (--- QTS)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0913667</b>	WC0913653	WC0882789
Sample Date		Client Info		<b>10 Apr 2024</b>	25 Mar 2024	18 Jan 2024
Machine Age	hrs	Client Info		<b>3298</b>	3264	2994
Oil Age	hrs	Client Info		<b>0</b>	250	750
Filter Age	hrs	Client Info		<b>0</b>	0	750
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	N/A	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>750	<b>57</b>	137	298
Chromium	ppm	ASTM D5185m	>9	<b>1</b>	2	4
Nickel	ppm	ASTM D5185m	>10	<b>1</b>	<1	2
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>4</b>	6	14
Lead	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>40	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

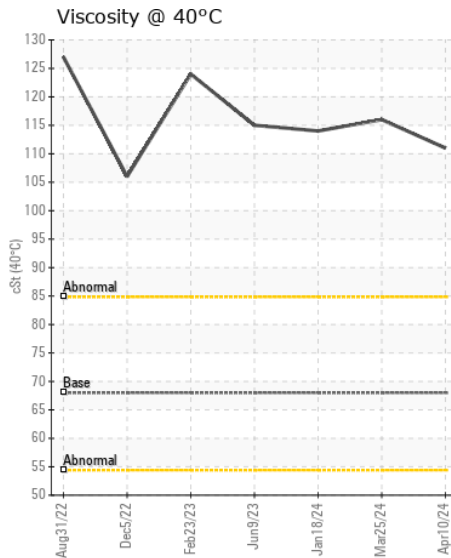
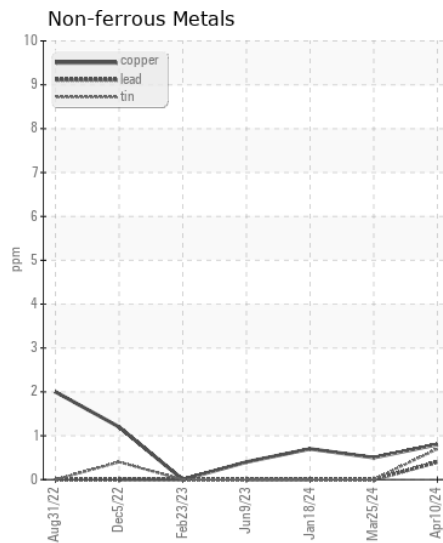
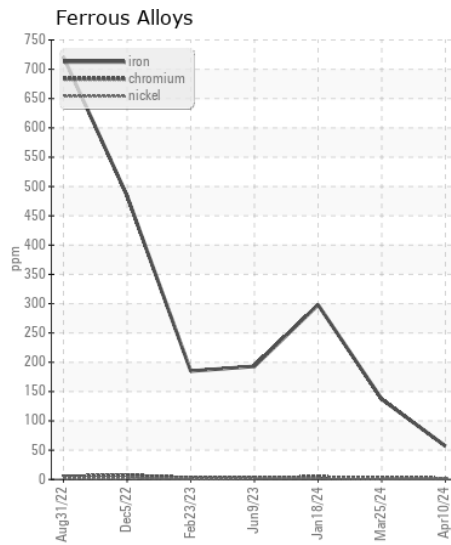
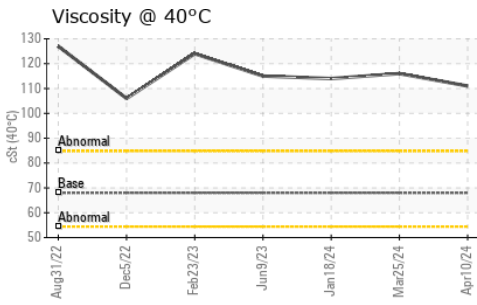
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>13</b>	19	38
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	<1	7
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

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>153</b>	126	128
Barium	ppm	ASTM D5185m		<b>1</b>	0	2
Molybdenum	ppm	ASTM D5185m		<b>23</b>	11	6
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	2
Magnesium	ppm	ASTM D5185m		<b>75</b>	22	22
Calcium	ppm	ASTM D5185m		<b>263</b>	105	83
Phosphorus	ppm	ASTM D5185m		<b>1599</b>	1871	1604
Zinc	ppm	ASTM D5185m		<b>195</b>	90	80
Sulfur	ppm	ASTM D5185m		<b>16527</b>	20152	18404
Visc @ 40°C	cSt	ASTM D445	68.0	<b>111</b>	116	114



Certificate L2367

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

**Sample No.** : WC0913667

**Lab Number** : 06149131

**Unique Number** : 10979209

**Test Package** : CONST

**Received** : 15 Apr 2024

**Tested** : 16 Apr 2024

**Diagnosed** : 17 Apr 2024 - Sean Felton

**SULLIVAN EASTERN INC**

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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)