



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

Machine Id  
**JOHN DEERE RTL-4**  
Component  
**Front Differential**  
Fluid  
**TDH FLUID SAE 75W80 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>CL0005244</b>	CL0004426	CL0003710
Sample Date		Client Info		<b>12 Mar 2024</b>	29 Jun 2023	11 Nov 2022
Machine Age	hrs	Client Info		<b>4025</b>	3390	2800
Oil Age	hrs	Client Info		<b>4025</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	<b>105</b>	88	85
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	<1	<1
Lead	ppm	ASTM D5185m	>25	<b>40</b>	34	37
Copper	ppm	ASTM D5185m	>100	<b>45</b>	38	34
Tin	ppm	ASTM D5185m	>10	<b>3</b>	2	3
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

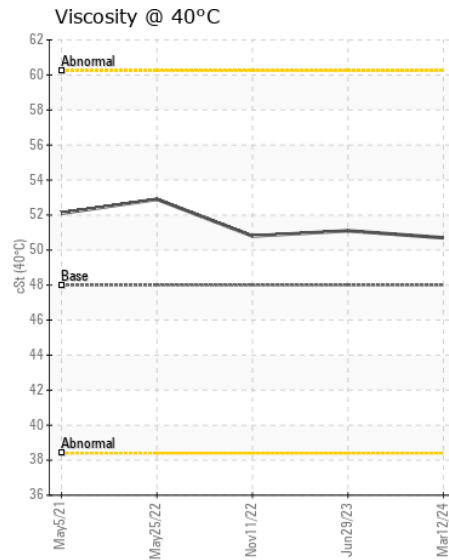
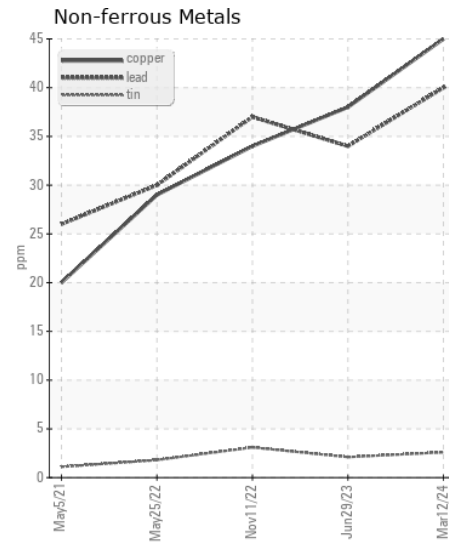
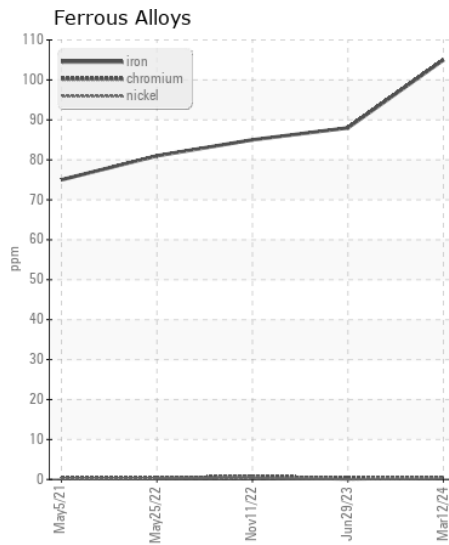
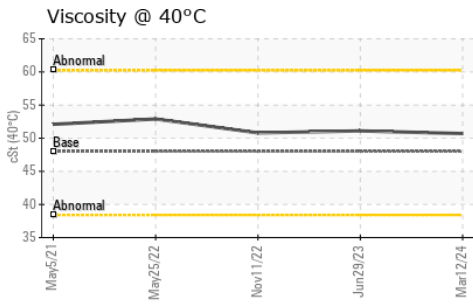
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>8</b>	7	8
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	<1	<1
Water		WC Method	>.2	<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	>.2	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		<b>6</b>	8	7
Boron	ppm	ASTM D5185m	10	<b>12</b>	4	7
Barium	ppm	ASTM D5185m	10	<b>3</b>	4	0
Molybdenum	ppm	ASTM D5185m	10	<b>&lt;1</b>	<1	1
Manganese	ppm	ASTM D5185m		<b>3</b>	3	2
Magnesium	ppm	ASTM D5185m	100	<b>94</b>	96	103
Calcium	ppm	ASTM D5185m	3500	<b>3325</b>	3133	3481
Phosphorus	ppm	ASTM D5185m	1150	<b>1069</b>	930	999
Zinc	ppm	ASTM D5185m	1150	<b>1168</b>	1088	1140
Sulfur	ppm	ASTM D5185m	5000	<b>5110</b>	4014	3789
Visc @ 40°C	cSt	ASTM D445	48	<b>50.7</b>	51.1	50.8



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : CL0005244  
**Lab Number** : **06121824**  
**Unique Number** : 10935975  
**Test Package** : CONST  
**Received** : 18 Mar 2024  
**Tested** : 19 Mar 2024  
**Diagnosed** : 21 Mar 2024 - Jonathan Hester

**BULLSEYE CONSTRUCTION**  
 581 N POLK ST  
 PINEVILLE, NC  
 US 28134  
 Contact: SERVICE MANAGER

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: