



# OIL ANALYSIS REPORT

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



Machine Id  
**JOHN DEERE 624K 624K-3 (S/N THCE645113)**  
 Component  
**Transmission**  
 Fluid  
**SAE 50W (--- GAL)**

## RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

## WEAR

All component wear rates are normal.

## CONTAMINATION

There is a moderate amount of visible silt present in the sample.

## FLUID CONDITION

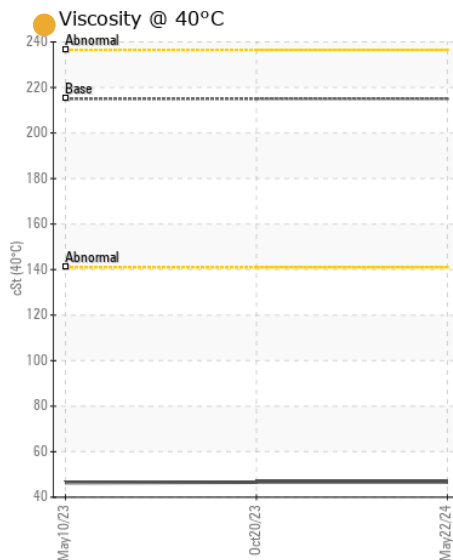
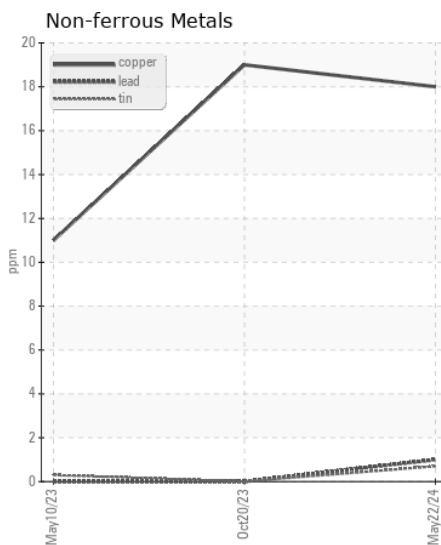
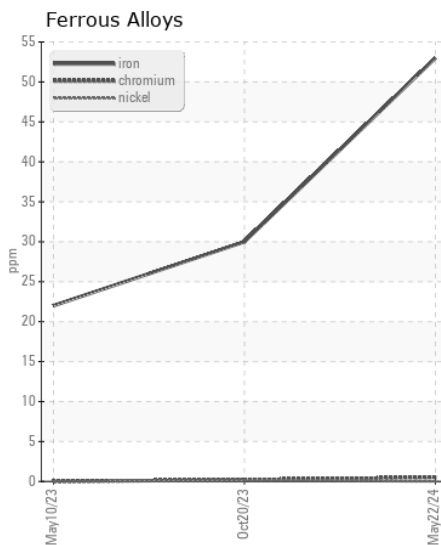
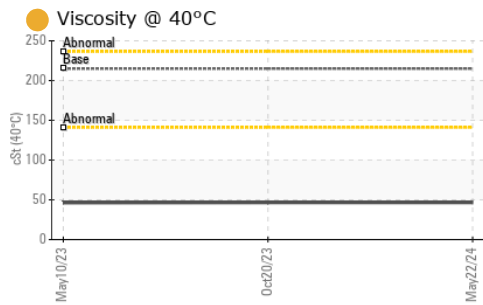
The fluid viscosity is lower than normal. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>TLY0002444</b>	TLY0002035	TLY0001412
Sample Date		Client Info		<b>22 May 2024</b>	20 Oct 2023	10 May 2023
Machine Age	hrs	Client Info		<b>11702</b>	11181	10553
Oil Age	hrs	Client Info		<b>11181</b>	11181	553
Filter Age	hrs	Client Info		<b>11181</b>	11181	553
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Sample Status				<b>ABNORMAL</b>	ATTENTION	ATTENTION

Iron	ppm	ASTM D5185m	>61	<b>53</b>	30	22
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185m		<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Aluminum	ppm	ASTM D5185m	>20	<b>6</b>	2	5
Lead	ppm	ASTM D5185m	>9	<b>1</b>	0	0
Copper	ppm	ASTM D5185m	>100	<b>18</b>	19	11
Tin	ppm	ASTM D5185m	>3	<b>&lt;1</b>	0	<1
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

Silicon	ppm	ASTM D5185m	>21	<b>13</b>	7	7
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	2	0
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>▲ MODER</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	NEG

Sodium	ppm	ASTM D5185m	>30	<b>5</b>	0	2
Boron	ppm	ASTM D5185m		<b>0</b>	0	2
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>2</b>	1	1
Magnesium	ppm	ASTM D5185m		<b>84</b>	103	103
Calcium	ppm	ASTM D5185m		<b>3246</b>	3614	3550
Phosphorus	ppm	ASTM D5185m		<b>1004</b>	1110	1044
Zinc	ppm	ASTM D5185m		<b>1070</b>	1311	1316
Sulfur	ppm	ASTM D5185m		<b>3847</b>	3613	4084
Visc @ 40°C	cSt	ASTM D445	215	<b>● 46.6</b>	● 46.6	● 46.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TLY0002444  
**Lab Number** : 06194469  
**Unique Number** : 11056592  
**Test Package** : CONST

**Received** : 29 May 2024  
**Tested** : 30 May 2024  
**Diagnosed** : 31 May 2024 - Sean Felton

**GAINES & COMPANY**  
 112 WESTMINISTER RD  
 REISTERSTOWN, MD  
 US 21136

Contact: LANCE TANCRAITOR  
 ltancraitor@gainesandco.com  
 T: (410)833-9833

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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