



# OIL ANALYSIS REPORT

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



Area  
**Store 9 - Marietta**  
Machine Id  
**JOHN DEERE 544K 1DW544KZHEE659476**  
Component  
**Transmission (Manual)**  
Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (5 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0045030</b>	LEC0025958	LEC0025572
Sample Date		Client Info		<b>26 Feb 2024</b>	16 Mar 2022	30 Nov 2021
Machine Age	hrs	Client Info		<b>10641</b>	6830	6215
Oil Age	hrs	Client Info		<b>7873</b>	4062	3447
Filter Age	hrs	Client Info		<b>1500</b>	368	368
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184	>95	<b>14</b>	20	19
Iron	ppm	ASTM D5185m	>200	<b>17</b>	19	38
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m	>7	<b>0</b>	<1	1
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	1	2
Lead	ppm	ASTM D5185m	>45	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185m	>225	<b>8</b>	16	39
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	<1
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

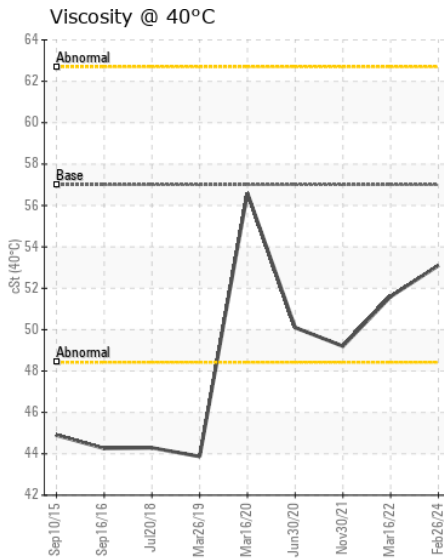
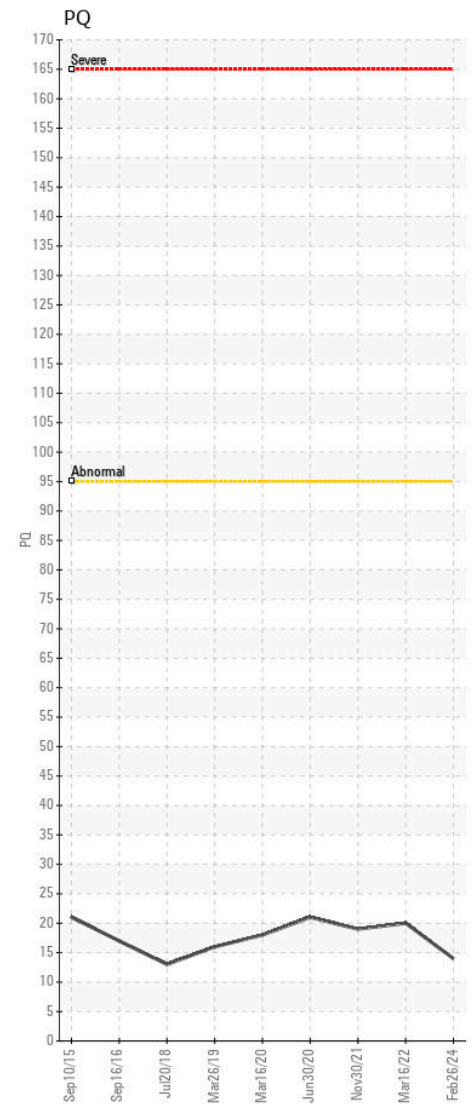
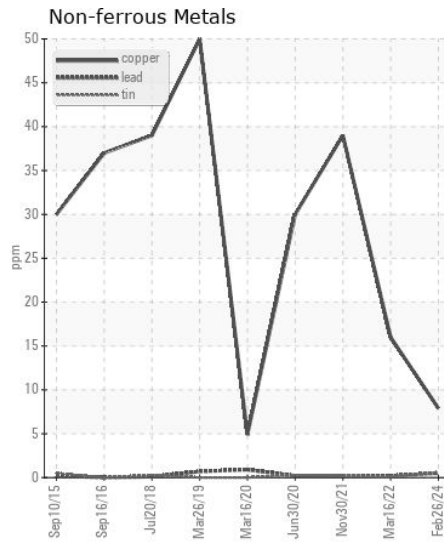
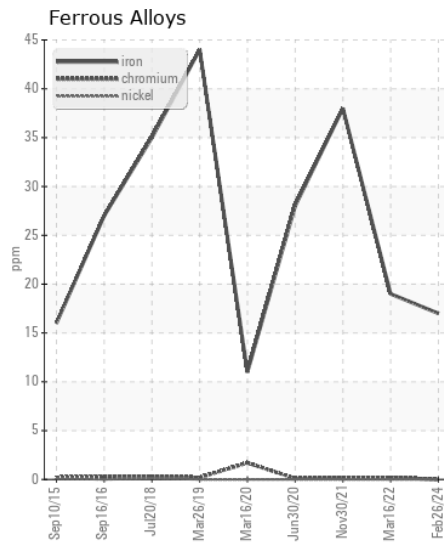
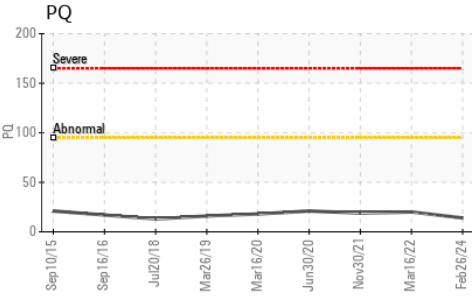
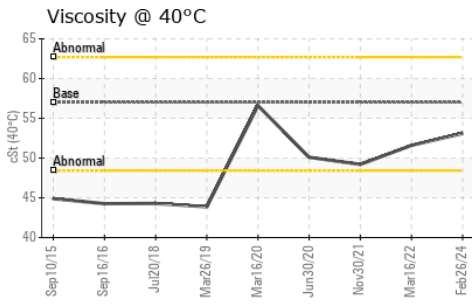
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	<b>4</b>	6	10
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	2
Water		WC Method	>0.1	<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	>0.1	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>2</b>	4	<1
Boron	ppm	ASTM D5185m	6	<b>3</b>	12	24
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>3</b>	9	22
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	1
Magnesium	ppm	ASTM D5185m	145	<b>96</b>	120	144
Calcium	ppm	ASTM D5185m	3570	<b>3047</b>	3447	3599
Phosphorus	ppm	ASTM D5185m	1290	<b>947</b>	1015	1101
Zinc	ppm	ASTM D5185m	1640	<b>1093</b>	1154	1269
Sulfur	ppm	ASTM D5185m		<b>3181</b>	3193	2952
Visc @ 40°C	cSt	ASTM D445	57.0	<b>53.1</b>	51.6	49.2



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0045030 **Received** : 28 Feb 2024  
**Lab Number** : 06103192 **Tested** : 01 Mar 2024  
**Unique Number** : 10901422 **Diagnosed** : 01 Mar 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**LESLIE EQUIPMENT COMPANY**  
 105 TENNIS CENTER DR.  
 MARIETTA, OH  
 US 45750-9765  
 Contact: LEANNE KENDALL  
 KendalLeanne@lec1.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)

T:  
F: (740)373-5570