



# OIL ANALYSIS REPORT

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



Area  
**Store 9 - Marietta [151264]**  
Machine Id  
**JOHN DEERE 624L 1DW624LZEKF694096**  
Component  
**Hydraulic System**  
Fluid  
**JOHN DEERE HYDRAU (27 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0043529</b>	LEC0047405	LEC0043535
Sample Date		Client Info		<b>23 May 2024</b>	04 Mar 2024	20 Sep 2023
Machine Age	hrs	Client Info		<b>7552</b>	7064	5903
Oil Age	hrs	Client Info		<b>3178</b>	2690	1529
Filter Age	hrs	Client Info		<b>3178</b>	2690	1529
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	<b>22</b>	19	11
Iron	ppm	ASTM D5185m	>71	<b>11</b>	11	9
Chromium	ppm	ASTM D5185m	>11	<b>8</b>	8	7
Nickel	ppm	ASTM D5185m	>6	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>11	<b>2</b>	1	<1
Lead	ppm	ASTM D5185m	>13	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>21	<b>0</b>	0	<1
Tin	ppm	ASTM D5185m	>5	<b>0</b>	<1	0
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

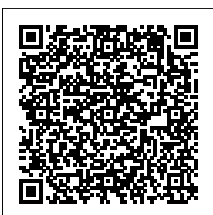
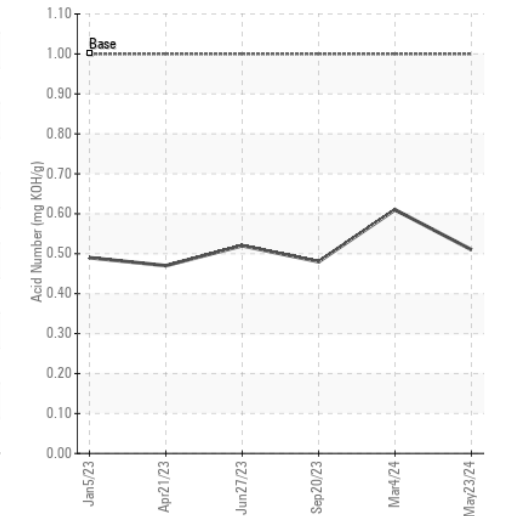
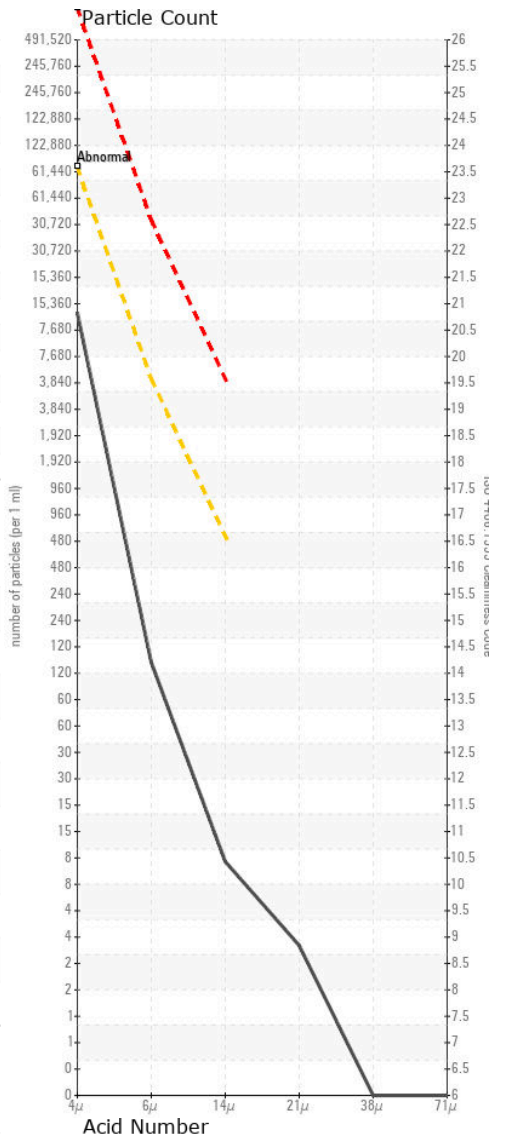
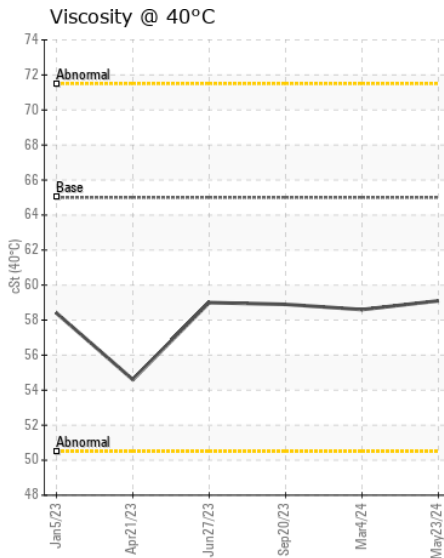
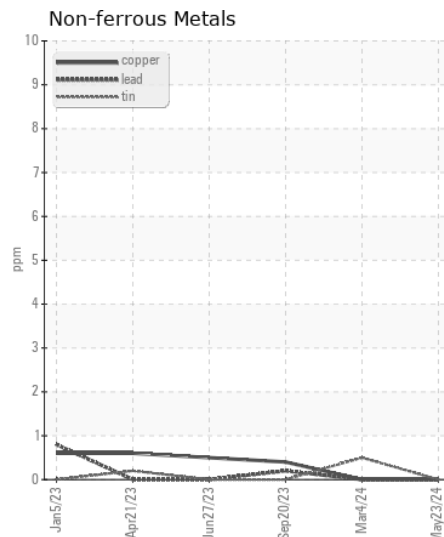
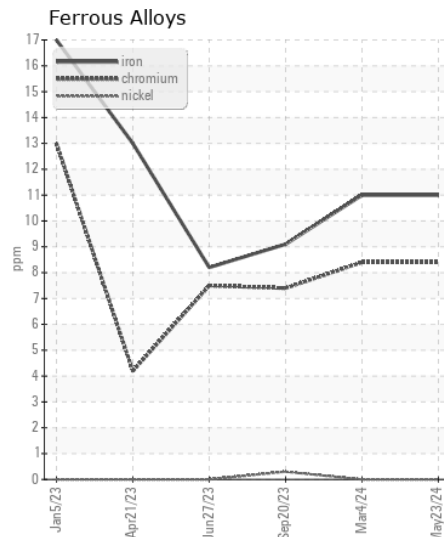
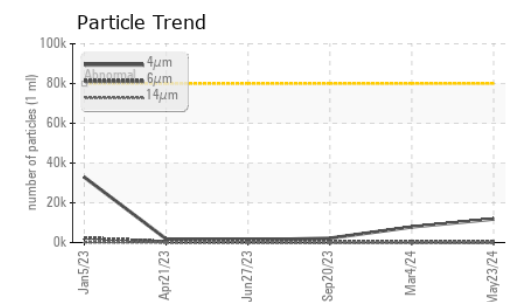
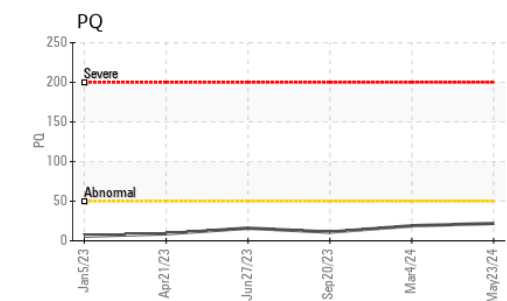
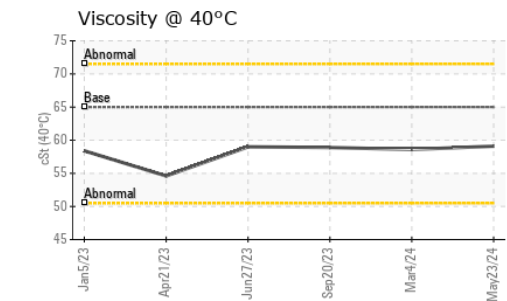
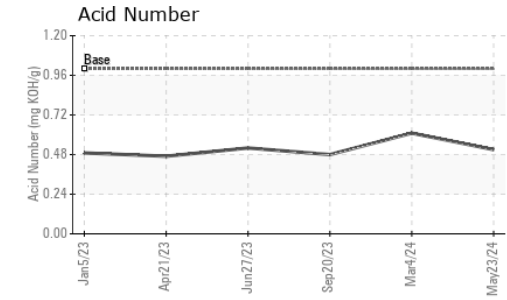
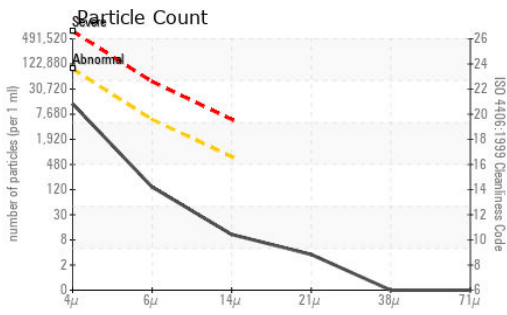
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185m	>24	<b>4</b>	3	2
Potassium	ppm	ASTM D5185m	>20	<b>13</b>	11	9
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>80000	<b>11841</b>	7864	2177
Particles >6µm		ASTM D7647	>5000	<b>122</b>	179	194
Particles >14µm		ASTM D7647	>640	<b>9</b>	12	12
Particles >21µm		ASTM D7647	>160	<b>3</b>	5	3
Particles >38µm		ASTM D7647	>40	<b>0</b>	0	0
Particles >71µm		ASTM D7647	>10	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>23/19/16	<b>21/14/10</b>	20/15/11	18/15/11
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	NEG

## FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m	>21	<b>6</b>	7	2
Boron	ppm	ASTM D5185m		<b>27</b>	16	11
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>13</b>	9	6
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Magnesium	ppm	ASTM D5185m		<b>32</b>	19	14
Calcium	ppm	ASTM D5185m	87	<b>384</b>	319	246
Phosphorus	ppm	ASTM D5185m	727	<b>542</b>	563	594
Zinc	ppm	ASTM D5185m	900	<b>627</b>	622	758
Sulfur	ppm	ASTM D5185m	1500	<b>2225</b>	1835	1995
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	<b>0.51</b>	0.61	0.48
Visc @ 40°C	cSt	ASTM D445	65	<b>59.1</b>	58.6	58.9



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0043529 **Received** : 28 May 2024  
**Lab Number** : 06192099 **Tested** : 29 May 2024  
**Unique Number** : 11048851 **Diagnosed** : 29 May 2024 - Wes Davis  
**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)

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