



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

Area  
**[W64224]**  
 Machine Id  
**JOHN DEERE 624L 1DW624LZVKF696392**  
 Component  
**Hydraulic System**  
 Fluid  
**JOHN DEERE HYDRAU (28 GAL)**

### RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. ( Customer Sample Comment: W64224 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0204171</b>	JR0177365	JR0177314
Sample Date		Client Info		<b>22 Feb 2024</b>	29 Aug 2023	17 Aug 2023
Machine Age	hrs	Client Info		<b>7960</b>	8420	6945
Oil Age	hrs	Client Info		<b>7960</b>	5770	4295
Filter Age	hrs	Client Info		<b>0</b>	5770	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Sample Status				<b>ABNORMAL</b>	NORMAL	ABNORMAL

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>20	<b>&lt;1</b>	5	1
Chromium	ppm	ASTM D5185m	>10	<b>5</b>	5	0
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Lead	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>75	<b>0</b>	0	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	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

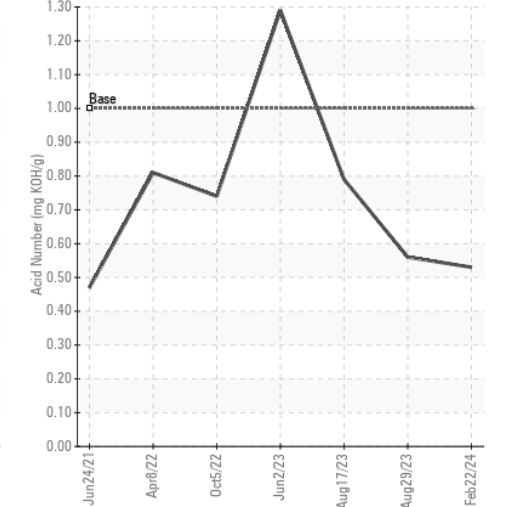
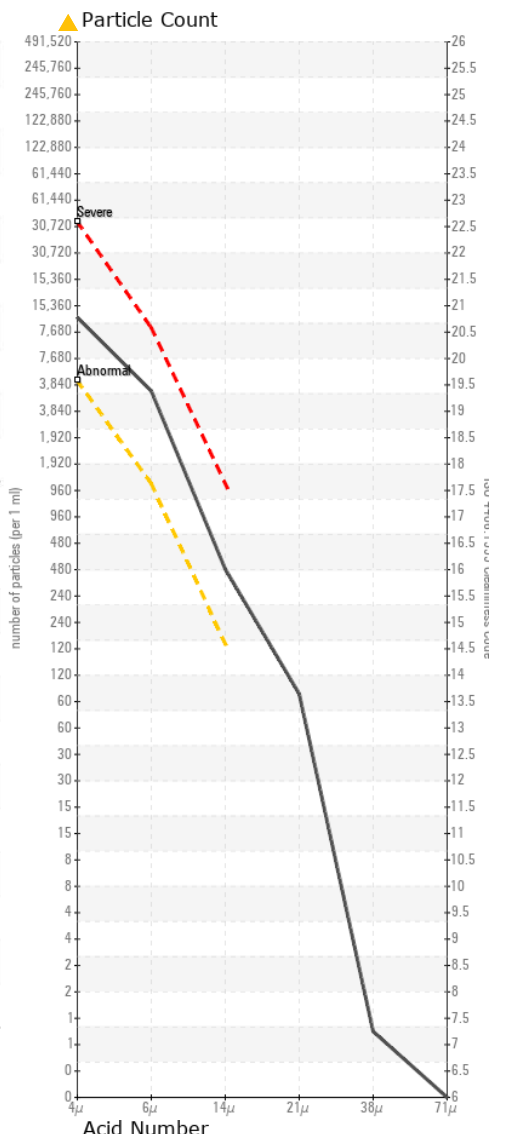
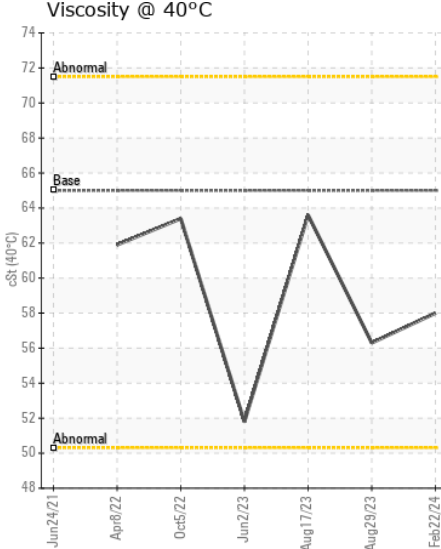
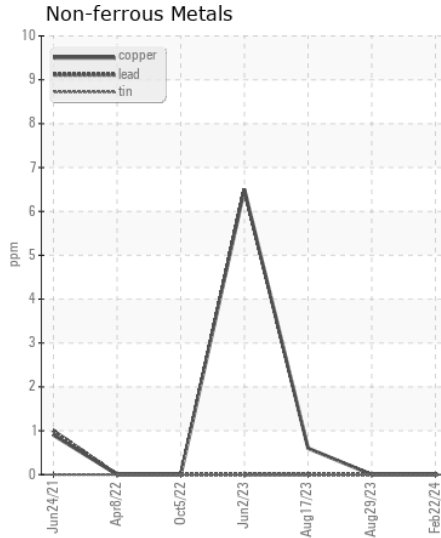
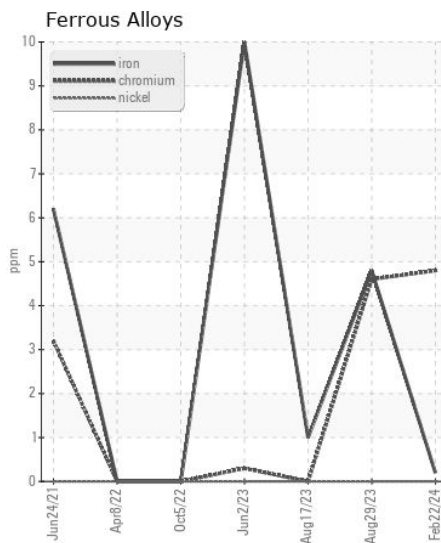
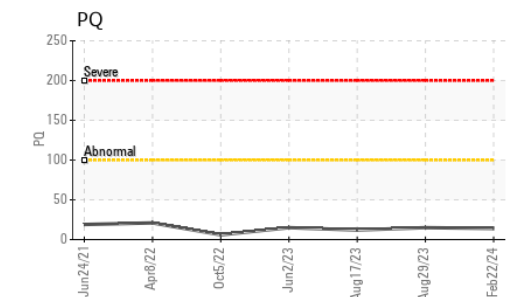
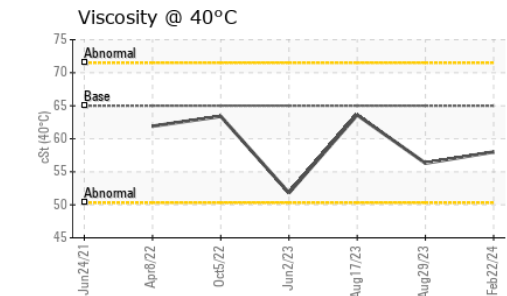
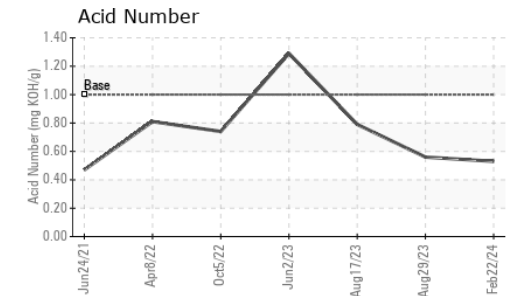
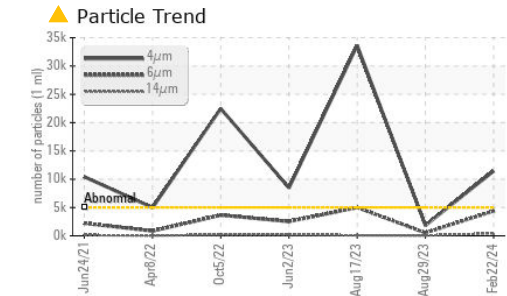
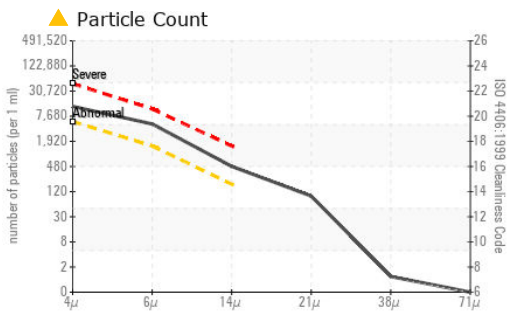
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>20	<b>&lt;1</b>	1	<1
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	<1	0
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>5000	<b>▲ 11440</b>	1840	▲ 33625
Particles >6µm		ASTM D7647	>1300	<b>▲ 4369</b>	525	▲ 5002
Particles >14µm		ASTM D7647	>160	<b>▲ 425</b>	42	79
Particles >21µm		ASTM D7647	>40	<b>▲ 83</b>	9	11
Particles >38µm		ASTM D7647	>10	<b>1</b>	1	0
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>▲ 21/19/16</b>	18/16/13	▲ 22/20/13
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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>0</b>	2	0
Boron	ppm	ASTM D5185m		<b>0</b>	20	7
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	5	8
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Magnesium	ppm	ASTM D5185m		<b>2</b>	28	26
Calcium	ppm	ASTM D5185m	87	<b>101</b>	184	133
Phosphorus	ppm	ASTM D5185m	727	<b>600</b>	545	651
Zinc	ppm	ASTM D5185m	900	<b>837</b>	699	854
Sulfur	ppm	ASTM D5185m	1500	<b>1533</b>	1673	1862
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	<b>0.53</b>	0.56	0.79
Visc @ 40°C	cSt	ASTM D445	65	<b>58.0</b>	56.3	63.6



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0204171 **Received** : 27 Feb 2024  
**Lab Number** : 06101506 **Tested** : 28 Feb 2024  
**Unique Number** : 10899736 **Diagnosed** : 28 Feb 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

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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)