



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area  
**[W64224]**  
 Machine Id  
**JOHN DEERE 624L 1DW624LZVKF696392**  
 Component  
**Front Differential**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (5 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor. ( Customer Sample Comment: W64224 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0204173	JR0177367	JR0177323
Sample Date		Client Info		22 Feb 2024	29 Aug 2023	17 Aug 2023
Machine Age	hrs	Client Info		7960	8420	6945
Oil Age	hrs	Client Info		7960	5770	4295
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Changed	Not Changd
Sample Status				NORMAL	ABNORMAL	NORMAL

**WEAR**

All component wear rates are normal.

PQ		ASTM D8184		22	17	16
Iron	ppm	ASTM D5185m	>500	49	76	28
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	3
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	3	<1
Lead	ppm	ASTM D5185m	>25	2	▲ 112	<1
Copper	ppm	ASTM D5185m	>100	14	23	7
Tin	ppm	ASTM D5185m	>10	1	1	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

**CONTAMINATION**

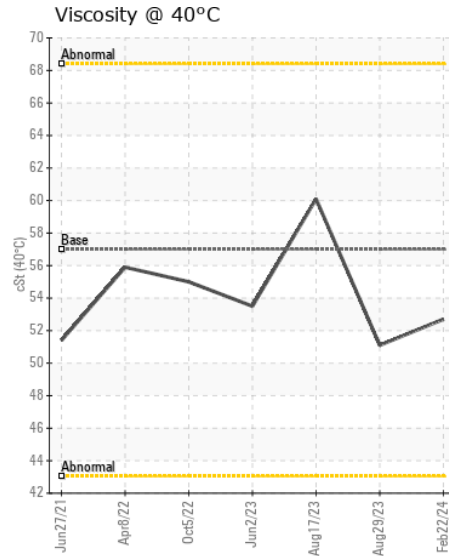
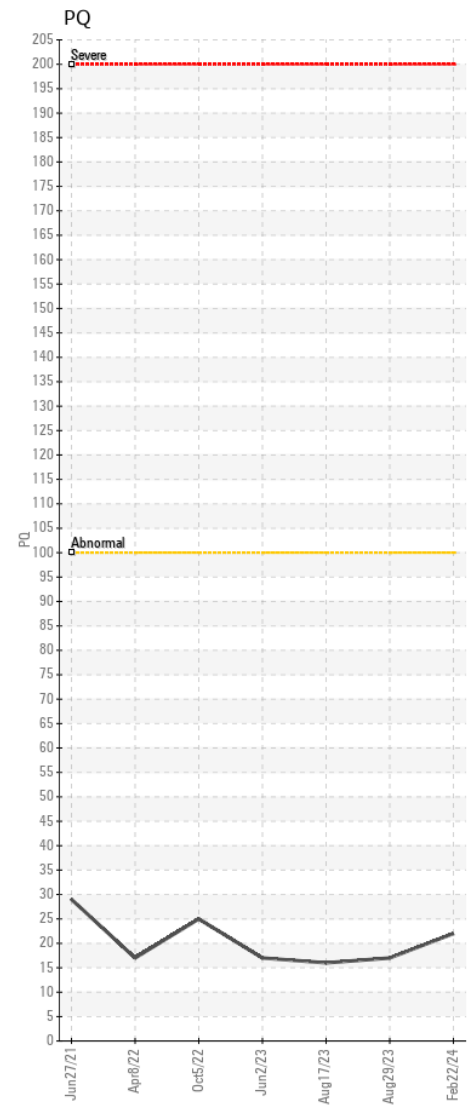
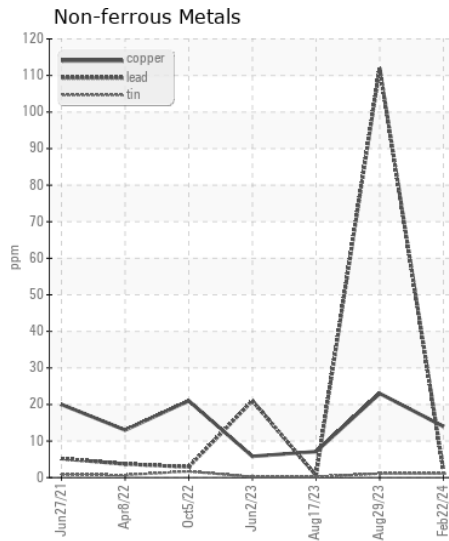
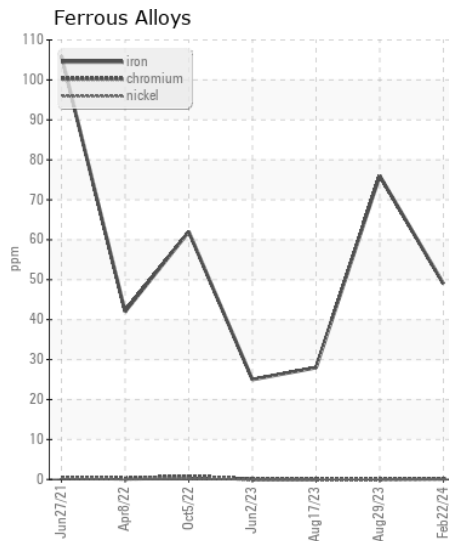
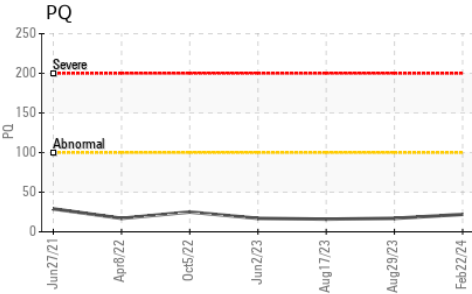
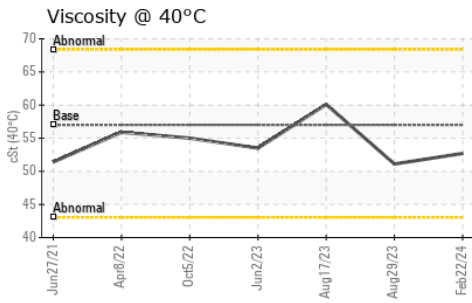
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	7	5	7
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	NEG	NEG	NEG

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		2	4	0
Boron	ppm	ASTM D5185m	6	<1	<1	3
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	145	83	87	99
Calcium	ppm	ASTM D5185m	3570	3295	3016	3315
Phosphorus	ppm	ASTM D5185m	1290	1050	973	936
Zinc	ppm	ASTM D5185m	1640	1191	1108	1178
Sulfur	ppm	ASTM D5185m		3461	4299	4063
Visc @ 40°C	cSt	ASTM D445	57.0	52.7	51.1	60.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0204173 **Received** : 27 Feb 2024  
**Lab Number** : 06101955 **Tested** : 28 Feb 2024  
**Unique Number** : 10900185 **Diagnosed** : 29 Feb 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - CHARLOTTE**  
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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)