



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 624L 1DW624LZCLF704757

Component
Rear Differential
Fluid
{not provided} (--- GAL)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0213287	JR0145431	JRMC402665
Sample Date		Client Info		12 May 2024	10 Oct 2022	21 Dec 2020
Machine Age	hrs	Client Info		5547	4417	2396
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	NORMAL

WEAR

Bearing and/or bushing wear is indicated.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		21	15	47
Iron	ppm	ASTM D5185m	>500	85	129	211
Chromium	ppm	ASTM D5185m	>10	<1	2	1
Nickel	ppm	ASTM D5185m	>10	0	1	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	<1	<1
Aluminum	ppm	ASTM D5185m	>25	1	<1	4
Lead	ppm	ASTM D5185m	>25	▲ 49	▲ 96	85
Copper	ppm	ASTM D5185m	>100	28	26	39
Tin	ppm	ASTM D5185m	>10	2	3	2
Vanadium	ppm	ASTM D5185m		0	1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

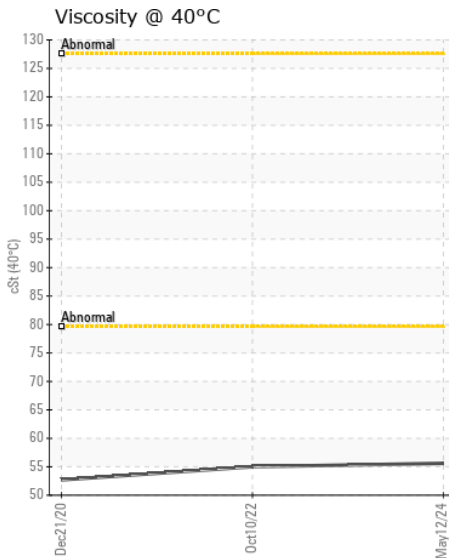
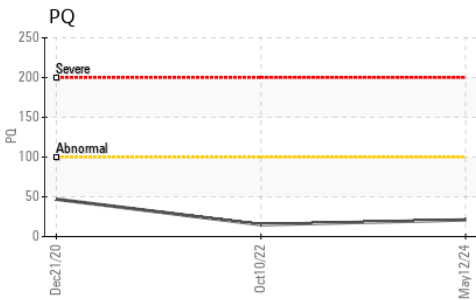
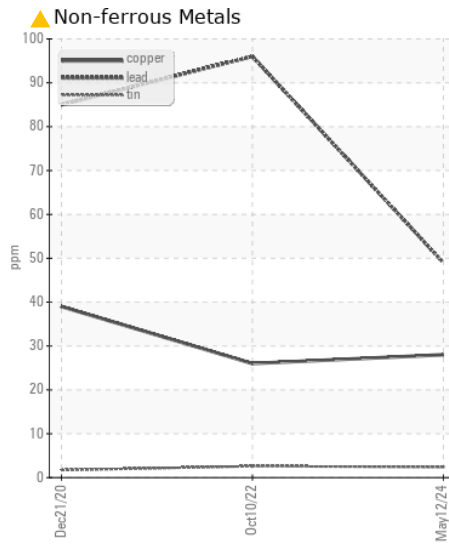
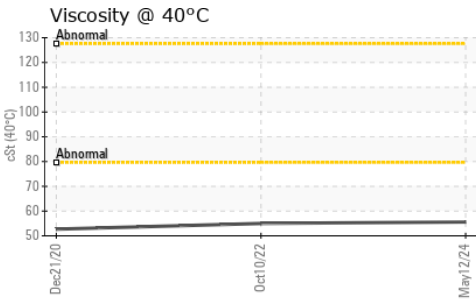
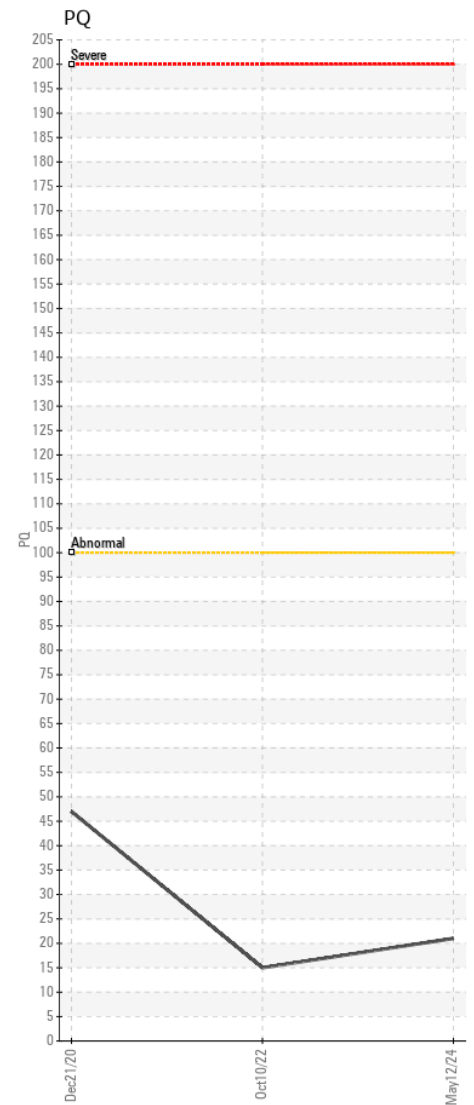
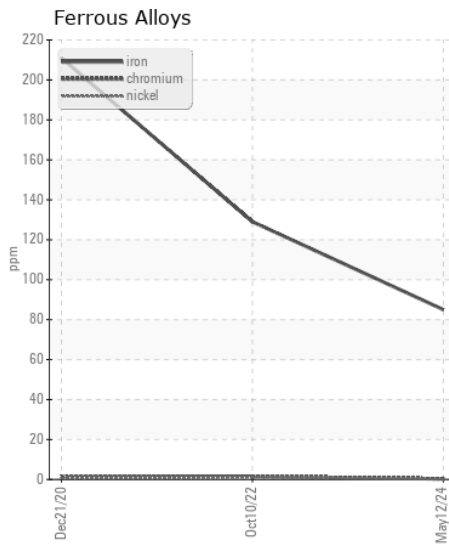
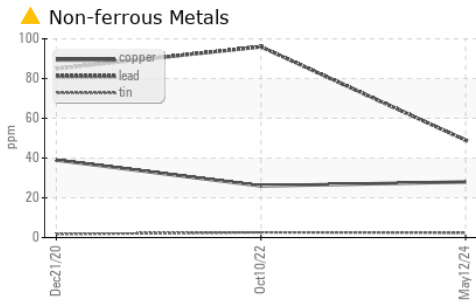
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	6	9	11
Potassium	ppm	ASTM D5185m	>20	0	<1	<1
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		4	5	7
Boron	ppm	ASTM D5185m		37	32	10
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		29	27	<1
Manganese	ppm	ASTM D5185m		2	3	4
Magnesium	ppm	ASTM D5185m		169	164	97
Calcium	ppm	ASTM D5185m		2956	3139	3513
Phosphorus	ppm	ASTM D5185m		950	959	1047
Zinc	ppm	ASTM D5185m		1125	1152	1173
Sulfur	ppm	ASTM D5185m		3624	3829	3369
Visc @ 40°C	cSt	ASTM D445		55.6	55.0	52.7



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0213287 **Received** : 13 May 2024
Lab Number : 06177449 **Tested** : 14 May 2024
Unique Number : 11023502 **Diagnosed** : 15 May 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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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