



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 624L 1DW624LZVLF706825
 Component
Rear Differential
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- 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		JR0218358	JR0202975	JR0190109
Sample Date		Client Info		19 Jun 2024	23 Feb 2024	02 Nov 2023
Machine Age	hrs	Client Info		7429	6930	6434
Oil Age	hrs	Client Info		5998	0	5833
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	Changed
Sample Status				ABNORMAL	NORMAL	ABNORMAL

WEAR

Bearing and/or bushing wear is indicated.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		18	10	14
Iron	ppm	ASTM D5185m	>500	103	80	66
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	1	<1	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	3	<1	<1
Lead	ppm	ASTM D5185m	>25	▲ 123	108	▲ 82
Copper	ppm	ASTM D5185m	>100	30	25	23
Tin	ppm	ASTM D5185m	>10	3	3	2
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

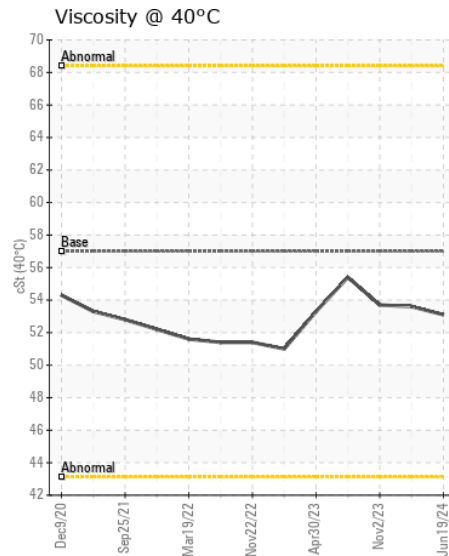
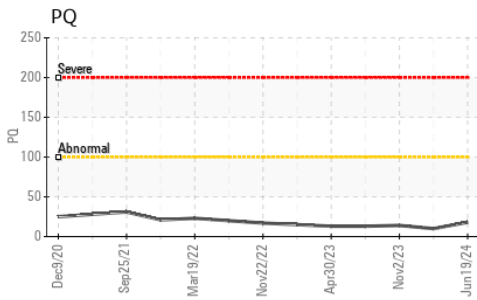
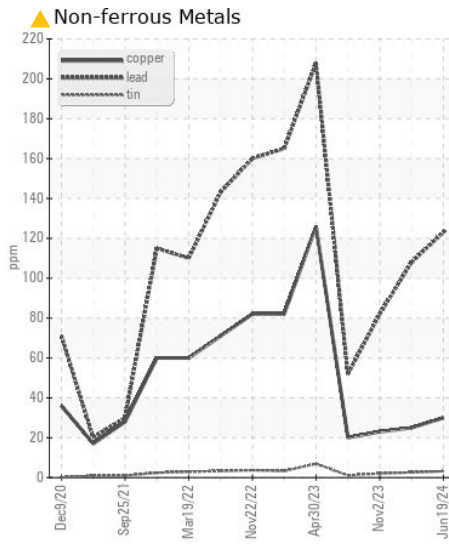
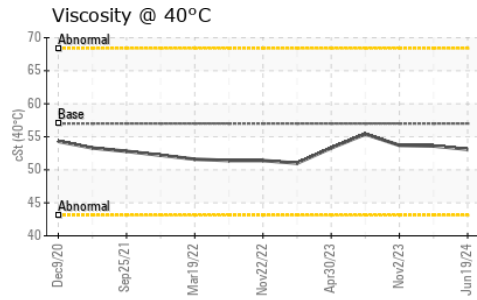
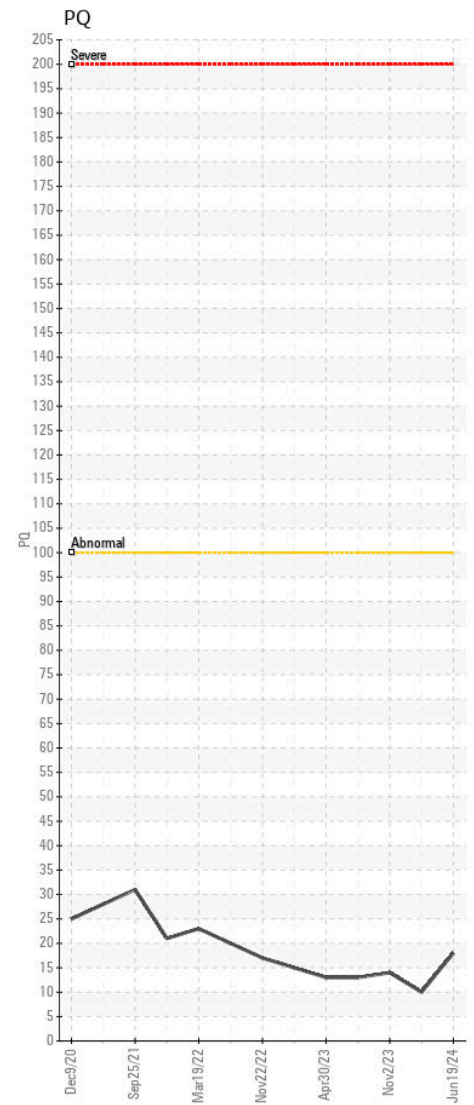
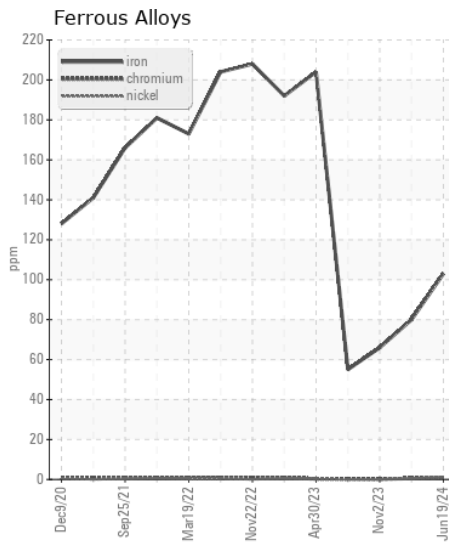
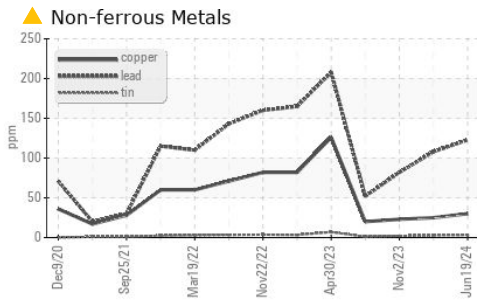
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	11	10	7
Potassium	ppm	ASTM D5185m	>20	2	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	5
Boron	ppm	ASTM D5185m	6	9	10	9
Barium	ppm	ASTM D5185m	0	2	<1	0
Molybdenum	ppm	ASTM D5185m	0	6	4	4
Manganese	ppm	ASTM D5185m		2	2	1
Magnesium	ppm	ASTM D5185m	145	110	109	105
Calcium	ppm	ASTM D5185m	3570	3412	3405	3058
Phosphorus	ppm	ASTM D5185m	1290	1007	953	942
Zinc	ppm	ASTM D5185m	1640	1099	1168	1137
Sulfur	ppm	ASTM D5185m		3431	3642	3369
Visc @ 40°C	cSt	ASTM D445	57.0	53.1	53.6	53.7



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0218358 **Received** : 24 Jun 2024
Lab Number : 06218560 **Tested** : 25 Jun 2024
Unique Number : 11096757 **Diagnosed** : 26 Jun 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

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 US 20111
 Contact: DON VEST
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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)