



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 624 P 1DW624PATPLZ16961
 Component
Rear Axle
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- 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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0211549	JR0180235	---
Sample Date		Client Info		24 Apr 2024	01 Nov 2023	---
Machine Age	hrs	Client Info		1960	950	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR

Bearing and/or bushing wear is indicated.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		26	13	---
Iron	ppm	ASTM D5185m	>750	103	426	---
Chromium	ppm	ASTM D5185m	>11	1	4	---
Nickel	ppm	ASTM D5185m	>10	<1	1	---
Titanium	ppm	ASTM D5185m		<1	2	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>21	3	39	---
Lead	ppm	ASTM D5185m	>49	75	60	---
Copper	ppm	ASTM D5185m	>101	189	147	---
Tin	ppm	ASTM D5185m	>10	2	<1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

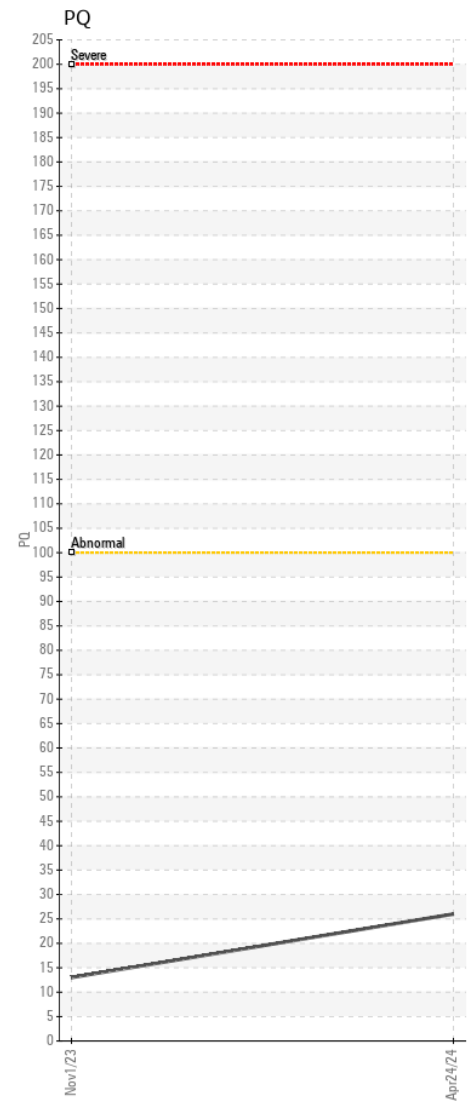
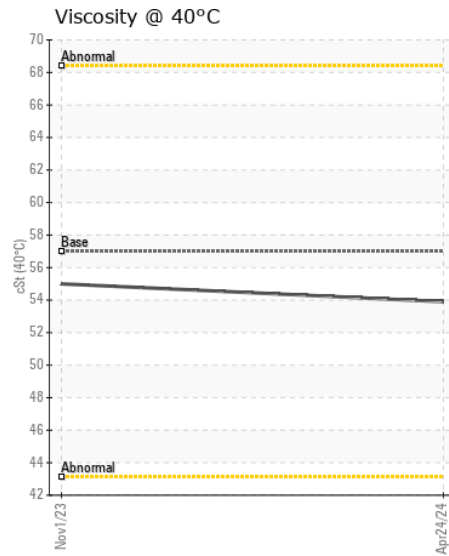
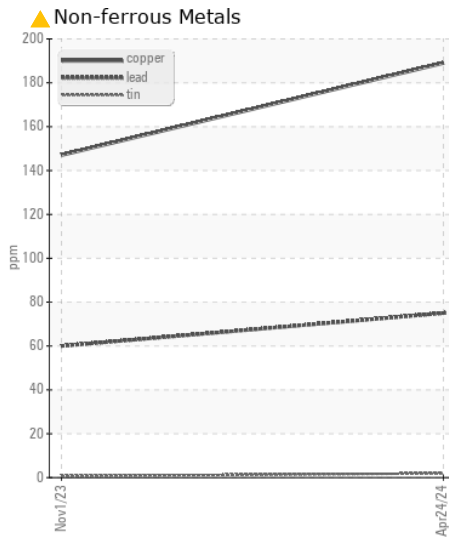
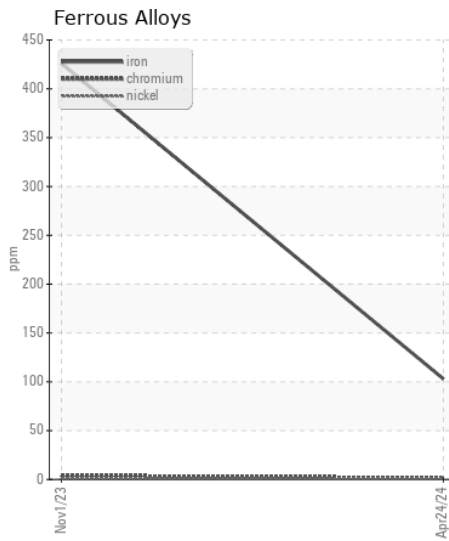
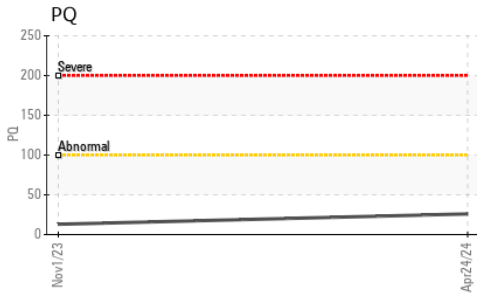
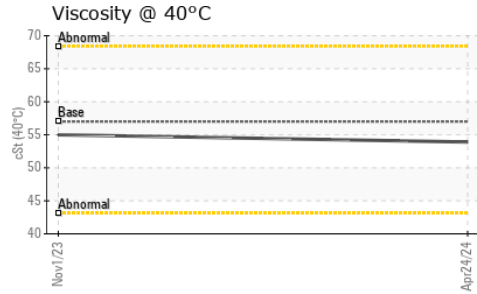
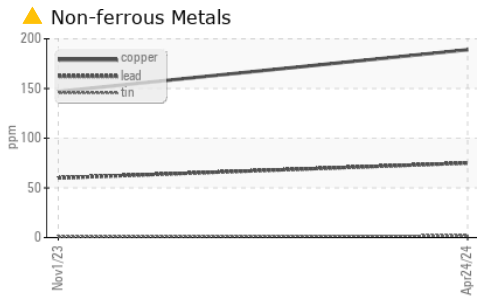
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	21	155	---
Potassium	ppm	ASTM D5185m	>20	3	11	---
Water		WC Method	>0.1	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	3	8	---
Boron	ppm	ASTM D5185m	6	7	1	---
Barium	ppm	ASTM D5185m	0	5	4	---
Molybdenum	ppm	ASTM D5185m	0	1	0	---
Manganese	ppm	ASTM D5185m		3	6	---
Magnesium	ppm	ASTM D5185m	145	104	103	---
Calcium	ppm	ASTM D5185m	3570	3499	3286	---
Phosphorus	ppm	ASTM D5185m	1290	1040	913	---
Zinc	ppm	ASTM D5185m	1640	1199	1180	---
Sulfur	ppm	ASTM D5185m		4864	3546	---
Visc @ 40°C	cSt	ASTM D445	57.0	53.9	55.0	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0211549 **Received** : 26 Apr 2024
Lab Number : 06161743 **Tested** : 29 Apr 2024
Unique Number : 10997166 **Diagnosed** : 30 Apr 2024 - Sean Felton
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)