



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 624 P 1DW624PAKNLT15632
 Component
Front Axle
 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		JR0205458	JR0178448	---
Sample Date		Client Info		19 Apr 2024	31 Aug 2023	---
Machine Age	hrs	Client Info		948	485	---
Oil Age	hrs	Client Info		948	485	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changed	Not Changed	---
Filter Changed		Client Info		Changed	Not Changed	---
Sample Status				ABNORMAL	NORMAL	---

WEAR

The copper level is abnormal. All other component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		22	20	---
Iron	ppm	ASTM D5185m	>750	95	79	---
Chromium	ppm	ASTM D5185m	>11	<1	<1	---
Nickel	ppm	ASTM D5185m	>10	<1	<1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>21	2	3	---
Lead	ppm	ASTM D5185m	>49	30	24	---
Copper	ppm	ASTM D5185m	>101	▲ 269	210	---
Tin	ppm	ASTM D5185m	>10	4	3	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

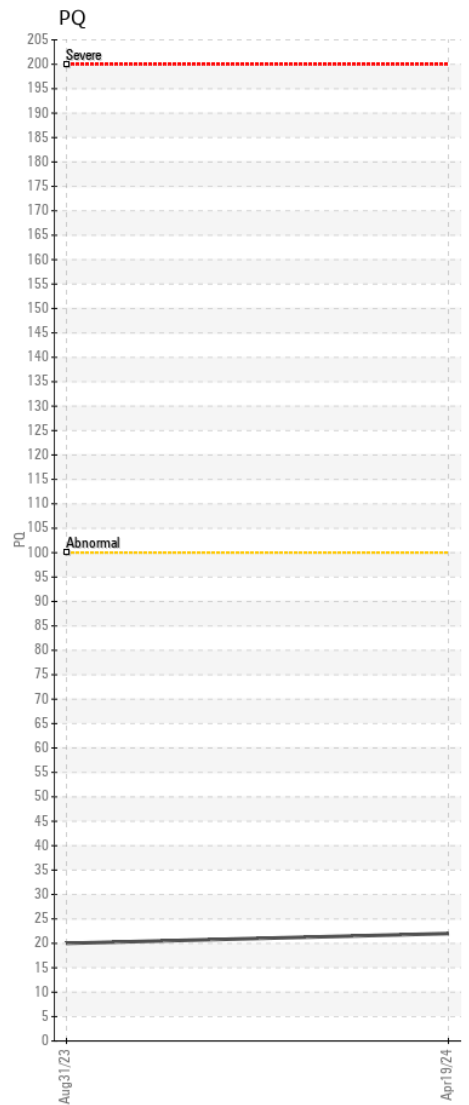
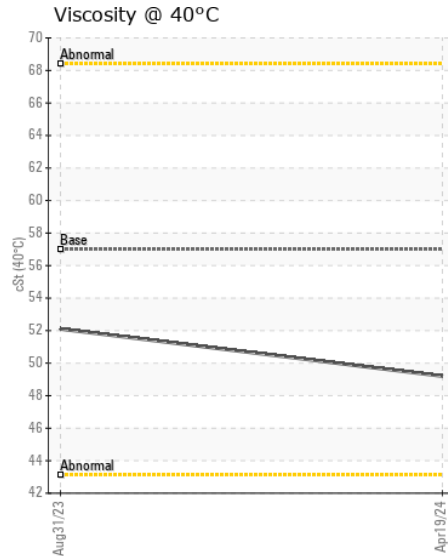
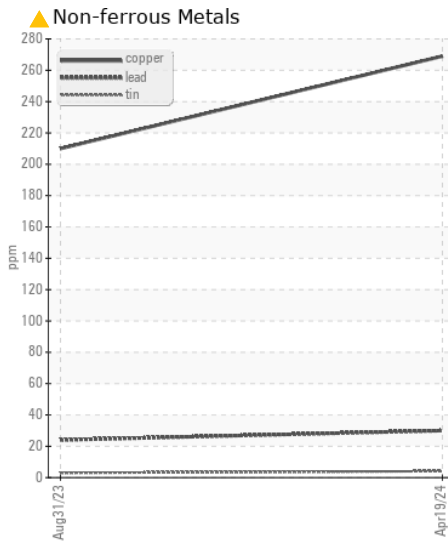
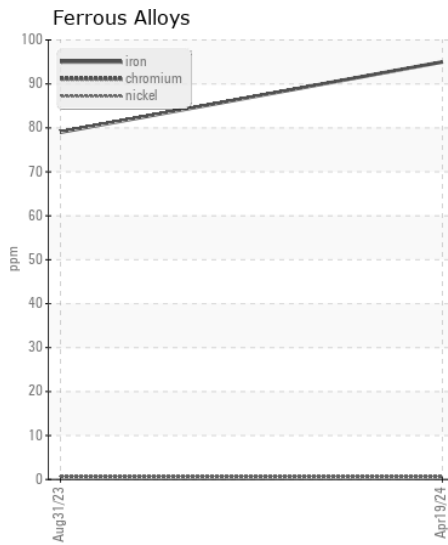
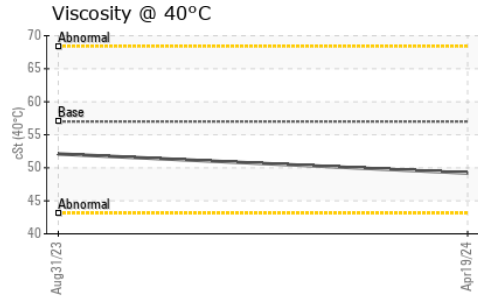
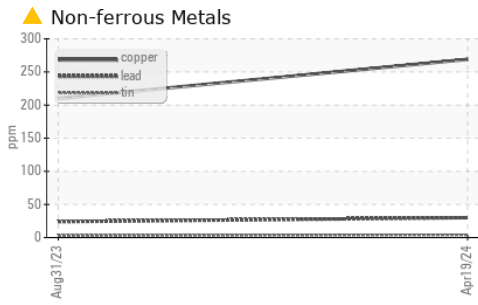
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	7	8	---
Potassium	ppm	ASTM D5185m	>20	4	3	---
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	5	5	---
Boron	ppm	ASTM D5185m	6	<1	2	---
Barium	ppm	ASTM D5185m	0	3	0	---
Molybdenum	ppm	ASTM D5185m	0	<1	<1	---
Manganese	ppm	ASTM D5185m		3	6	---
Magnesium	ppm	ASTM D5185m	145	92	91	---
Calcium	ppm	ASTM D5185m	3570	3396	3399	---
Phosphorus	ppm	ASTM D5185m	1290	1039	986	---
Zinc	ppm	ASTM D5185m	1640	1210	1165	---
Sulfur	ppm	ASTM D5185m		3853	3832	---
Visc @ 40°C	cSt	ASTM D445	57.0	49.2	52.1	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0205458 **Received** : 23 Apr 2024
Lab Number : 06157962 **Tested** : 24 Apr 2024
Unique Number : 10993385 **Diagnosed** : 25 Apr 2024 - Jonathan Hester
Test Package : CONST (Additional Tests: PQ)

CARLTON'S BACKHOE
 9550 STATESVILLE ROAD
 CHARLOTTE, NC
 US 28269
 Contact: LEO

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)

T: (704)547-0211

F: