



**James River
Equipment**

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area

[W68812]

Machine Id

JOHN DEERE 624K-II 1DW624KZKJF685923

Component

Brake

Fluid

JOHN DEERE HY-GARD HYD/TRANS (2 QTS)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W68812)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0215396	JR0192981	---
Sample Date		Client Info		20 May 2024	05 Dec 2023	---
Machine Age	hrs	Client Info		12138	11211	---
Oil Age	hrs	Client Info		927	11211	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		20	45	---
Iron	ppm	ASTM D5185m	>350	16	112	---
Chromium	ppm	ASTM D5185m	>5	<1	0	---
Nickel	ppm	ASTM D5185m	>5	<1	0	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		2	0	---
Aluminum	ppm	ASTM D5185m	>8	2	3	---
Lead	ppm	ASTM D5185m	>10	<1	<1	---
Copper	ppm	ASTM D5185m	>150	11	<1	---
Tin	ppm	ASTM D5185m	>5	<1	<1	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

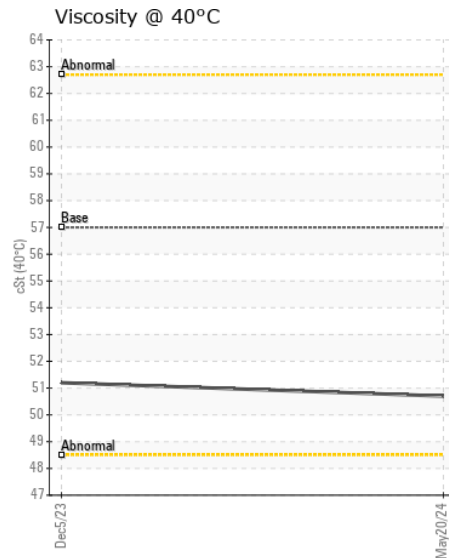
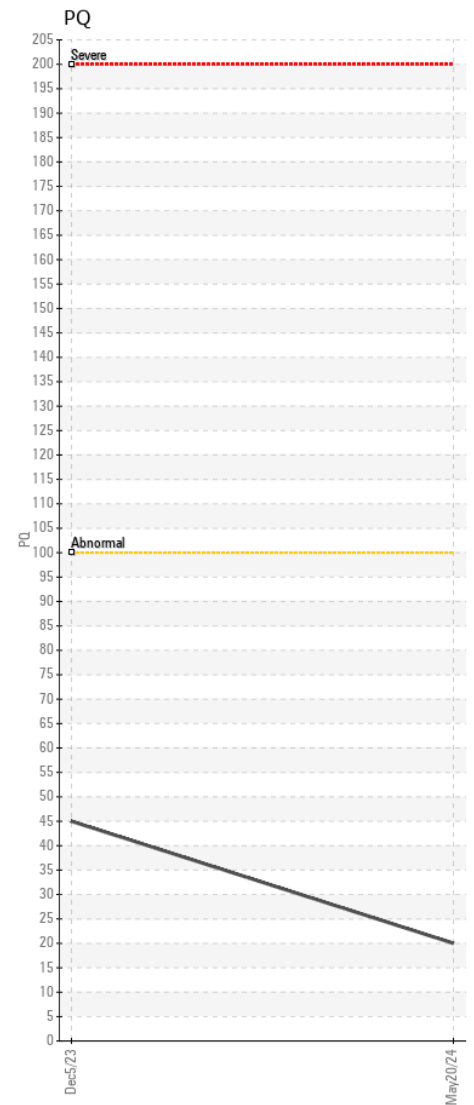
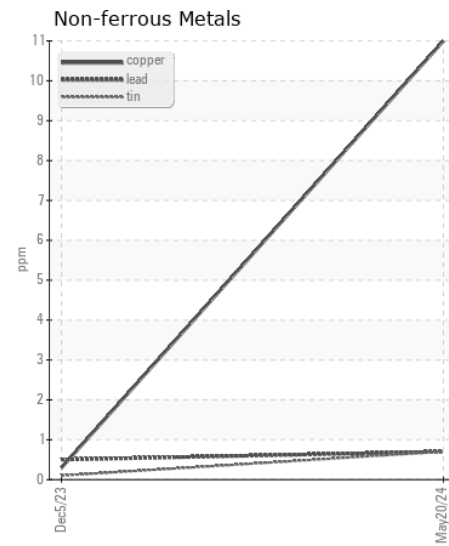
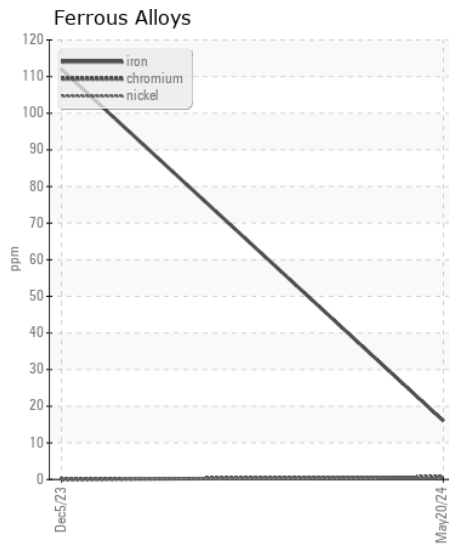
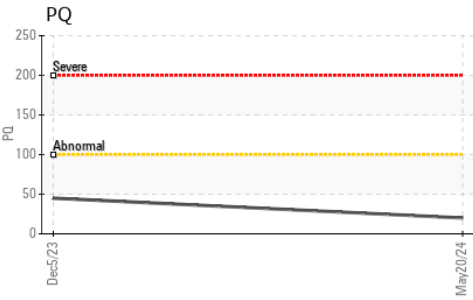
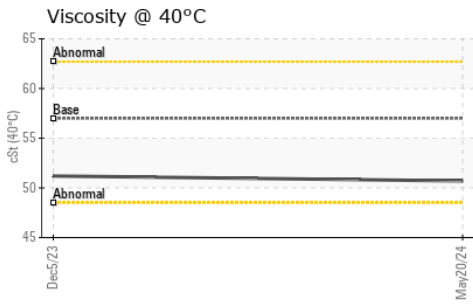
There is no indication of any contamination in the fluid.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>400	5	32	---
Potassium	ppm	ASTM D5185m	>20	2	0	---
Water		WC Method	>0.2	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	>0.2	NEG	NEG	---

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m		0	4	---
Boron	ppm	ASTM D5185m	6	1	6	---
Barium	ppm	ASTM D5185m	0	1	0	---
Molybdenum	ppm	ASTM D5185m	0	1	12	---
Manganese	ppm	ASTM D5185m		<1	1	---
Magnesium	ppm	ASTM D5185m	145	100	91	---
Calcium	ppm	ASTM D5185m	3570	3618	3251	---
Phosphorus	ppm	ASTM D5185m	1290	1006	984	---
Zinc	ppm	ASTM D5185m	1640	1287	1153	---
Sulfur	ppm	ASTM D5185m		3660	3204	---
Visc @ 40°C	cSt	ASTM D445	57.0	50.7	51.2	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0215396 **Received** : 24 May 2024
Lab Number : 06191253 **Tested** : 29 May 2024
Unique Number : 11048005 **Diagnosed** : 29 May 2024 - Sean Felton
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: