



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[W66812]
 Machine Id
JOHN DEERE 624K-II 1DW624KZKJF685923
 Component
Front Axle
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (5 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W66812)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0215402	JR0192985	JR0171001
Sample Date		Client Info		20 May 2024	05 Dec 2023	17 Jul 2023
Machine Age	hrs	Client Info		12138	11211	10560
Oil Age	hrs	Client Info		12138	11211	10560
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		38	15	12
Iron	ppm	ASTM D5185m	>750	70	13	12
Chromium	ppm	ASTM D5185m	>11	<1	0	0
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		1	0	0
Aluminum	ppm	ASTM D5185m	>21	3	0	<1
Lead	ppm	ASTM D5185m	>49	<1	22	15
Copper	ppm	ASTM D5185m	>101	1	8	5
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

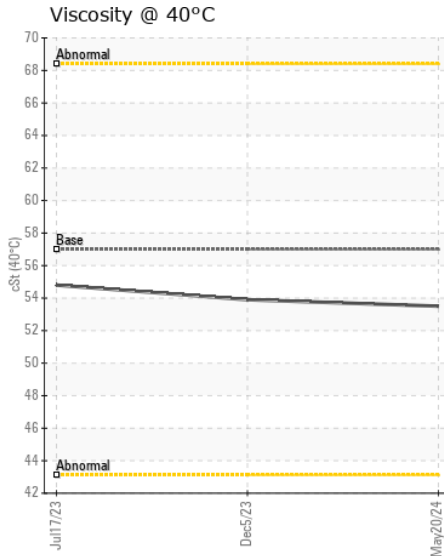
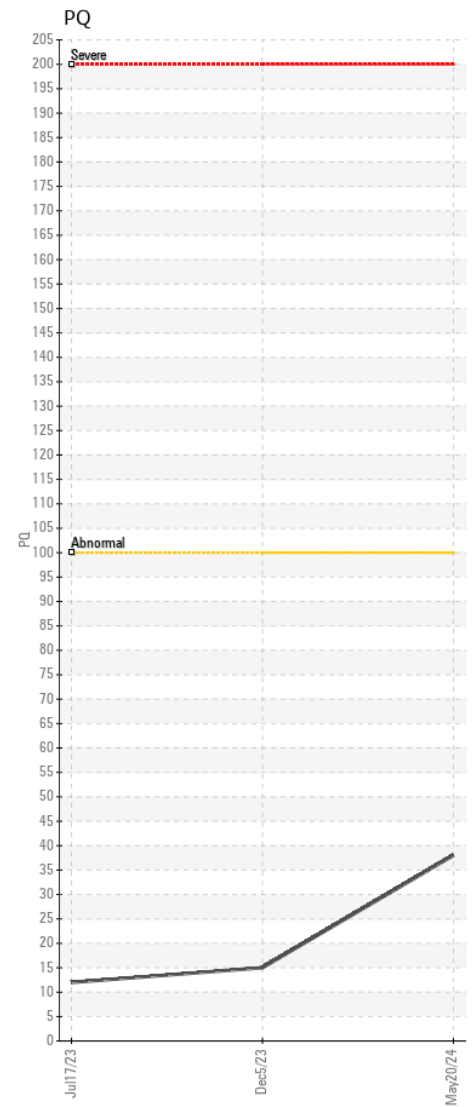
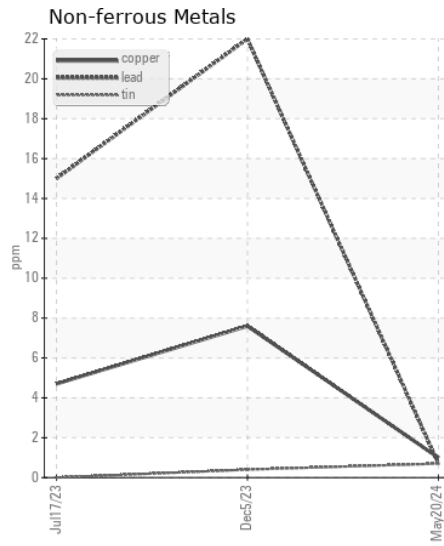
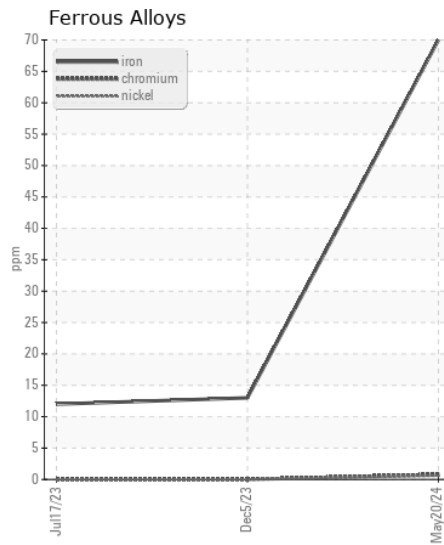
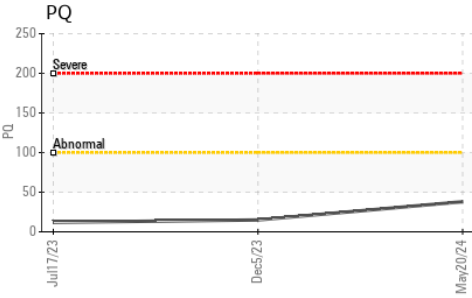
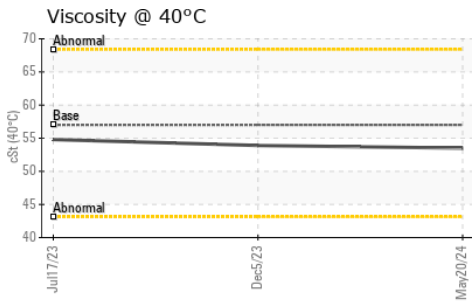
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	29	3	2
Potassium	ppm	ASTM D5185m	>20	4	0	0
Water		WC Method	>0.1	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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	1	2	2
Boron	ppm	ASTM D5185m	6	7	0	0
Barium	ppm	ASTM D5185m	0	2	0	0
Molybdenum	ppm	ASTM D5185m	0	8	0	<1
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m	145	101	92	102
Calcium	ppm	ASTM D5185m	3570	3351	3419	3587
Phosphorus	ppm	ASTM D5185m	1290	989	1020	1056
Zinc	ppm	ASTM D5185m	1640	1236	1176	1251
Sulfur	ppm	ASTM D5185m		4439	3345	4213
Visc @ 40°C	cSt	ASTM D445	57.0	53.5	53.9	54.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0215402 **Received** : 24 May 2024
Lab Number : 06191318 **Tested** : 29 May 2024
Unique Number : 11048070 **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: