



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[W65770]

Machine Id
JOHN DEERE 524 P 1DW524PAPNLT13387

Component
Transmission (Manual)

Fluid
JOHN DEERE HY-GARD HYD/TRANS (7 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W65770)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0206792	JR0178126	JR0155675
Sample Date		Client Info		15 Apr 2024	07 Sep 2023	15 Dec 2022
Machine Age	hrs	Client Info		1452	1010	441
Oil Age	hrs	Client Info		1452	1010	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Oil Added	Not Changd	N/A
Filter Changed		Client Info		Not Changd	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>95	14	16	12
Iron	ppm	ASTM D5185m	>200	24	21	15
Chromium	ppm	ASTM D5185m	>5	0	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>7	<1	<1	0
Aluminum	ppm	ASTM D5185m	>25	1	0	1
Lead	ppm	ASTM D5185m	>45	0	0	<1
Copper	ppm	ASTM D5185m	>225	9	6	6
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

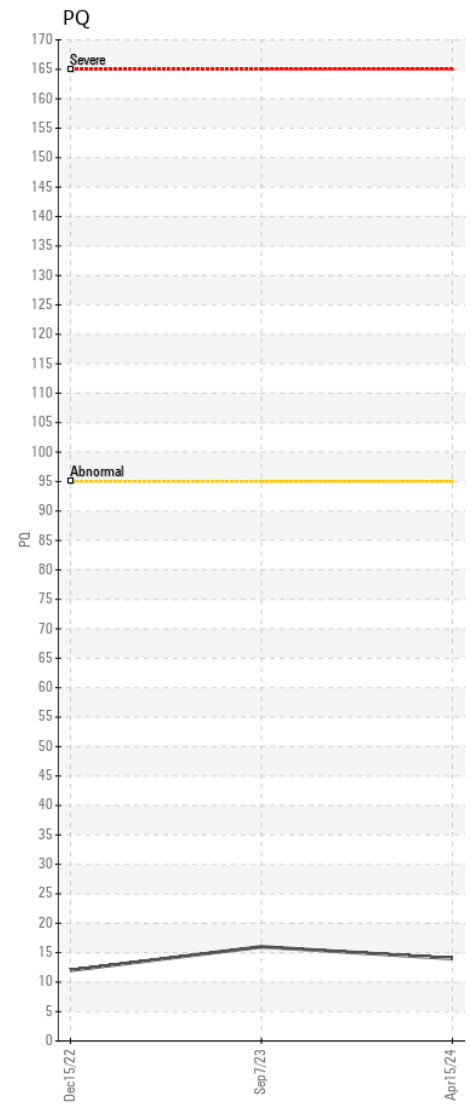
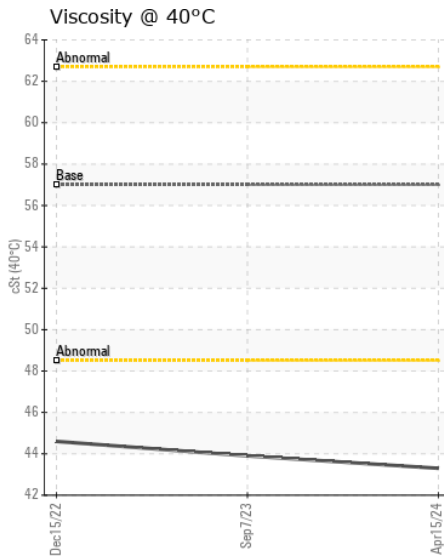
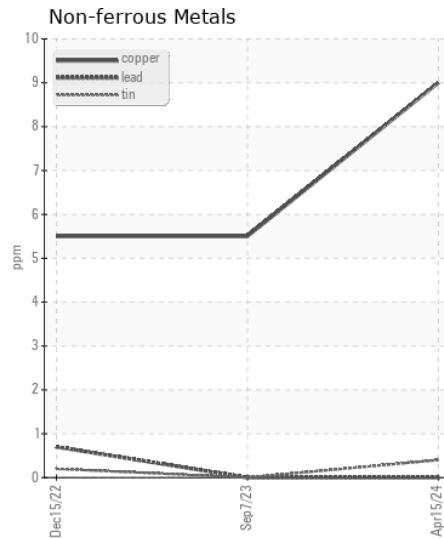
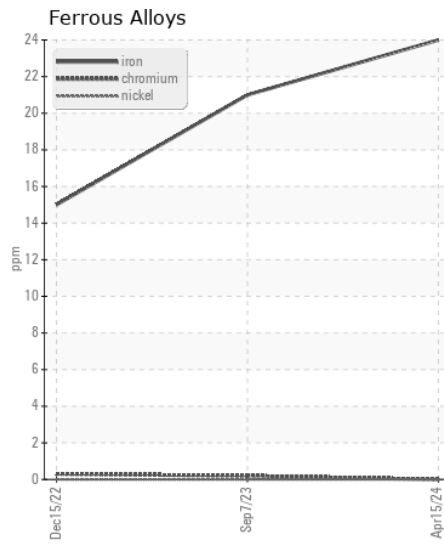
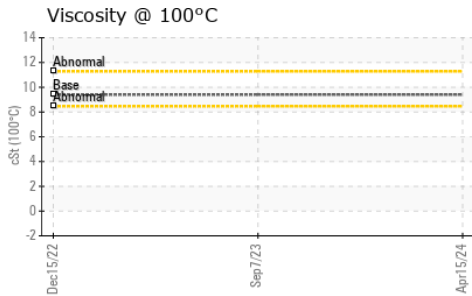
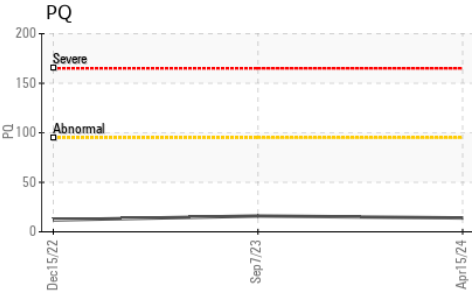
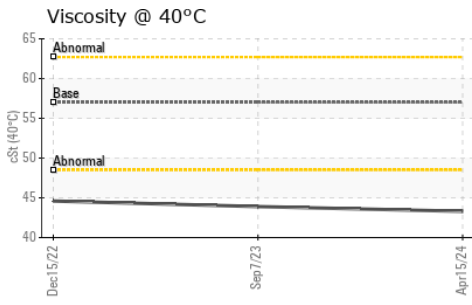
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	78	77	88
Potassium	ppm	ASTM D5185m	>20	<1	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 fluid is suitable for further service.

Sodium	ppm	ASTM D5185m		24	21	23
Boron	ppm	ASTM D5185m	6	<1	<1	<1
Barium	ppm	ASTM D5185m	0	<1	0	0
Molybdenum	ppm	ASTM D5185m	0	2	0	2
Manganese	ppm	ASTM D5185m		2	<1	<1
Magnesium	ppm	ASTM D5185m	145	86	85	90
Calcium	ppm	ASTM D5185m	3570	3212	3215	3291
Phosphorus	ppm	ASTM D5185m	1290	1043	978	979
Zinc	ppm	ASTM D5185m	1640	1223	1177	1206
Sulfur	ppm	ASTM D5185m		3917	4055	3935
Visc @ 40°C	cSt	ASTM D445	57.0	43.3	43.9	44.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0206792 **Received** : 17 Apr 2024
Lab Number : 06152201 **Tested** : 22 Apr 2024
Unique Number : 10982279 **Diagnosed** : 22 Apr 2024 - Don Baldrige
Test Package : CONST (Additional Tests: FT-IR, KV100, 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: