



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 624 P 1DW624PAVPLX19926
Component
Front Axle
Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

The oil 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		JR0220022	JR0206329	JR0198533
Sample Date		Client Info		07 Jul 2024	19 Apr 2024	17 Jan 2024
Machine Age	hrs	Client Info		2001	1642	1131
Oil Age	hrs	Client Info		2001	1642	1131
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	N/A	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

Bearing and/or bushing wear is indicated.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		23	21	24
Iron	ppm	ASTM D5185m	>750	103	61	53
Chromium	ppm	ASTM D5185m	>11	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	<1	2	2
Lead	ppm	ASTM D5185m	>49	▲ 77	▲ 30	▲ 26
Copper	ppm	ASTM D5185m	>101	▲ 129	▲ 203	▲ 184
Tin	ppm	ASTM D5185m	>10	0	▲ 8	▲ 6
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	MODER	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

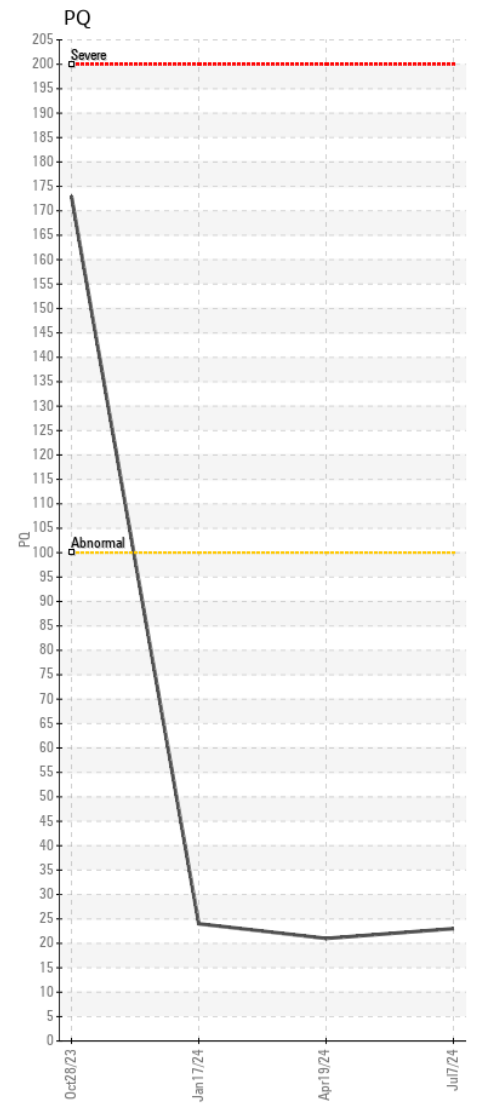
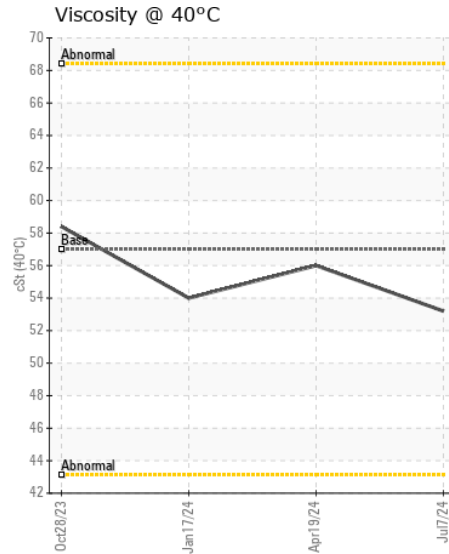
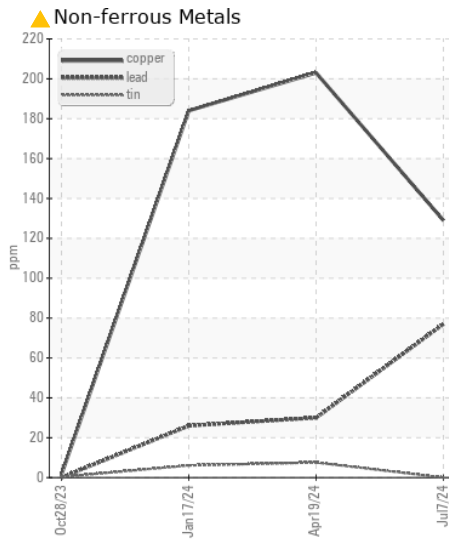
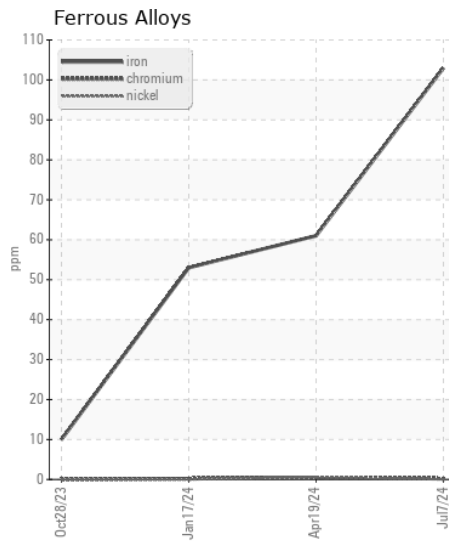
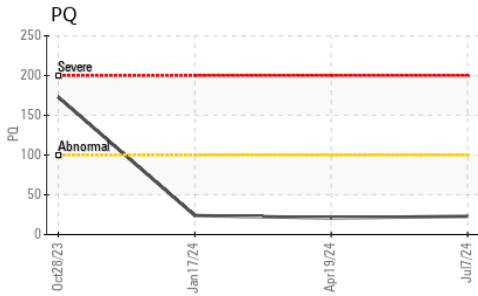
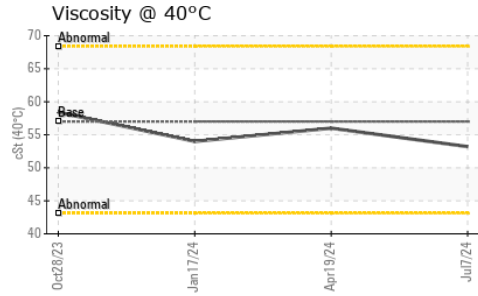
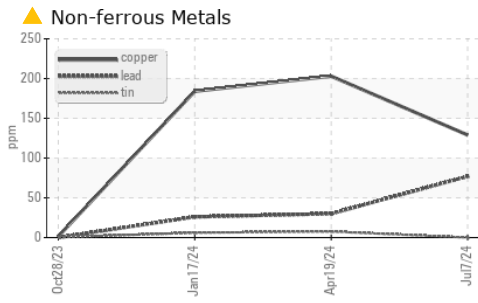
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	4	5	3
Potassium	ppm	ASTM D5185m	>20	<1	4	4
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	7	6	<1
Boron	ppm	ASTM D5185m	6	4	2	1
Barium	ppm	ASTM D5185m	0	3	3	3
Molybdenum	ppm	ASTM D5185m	0	0	<1	0
Manganese	ppm	ASTM D5185m		2	2	1
Magnesium	ppm	ASTM D5185m	145	88	98	91
Calcium	ppm	ASTM D5185m	3570	3368	3508	3343
Phosphorus	ppm	ASTM D5185m	1290	1028	1080	1085
Zinc	ppm	ASTM D5185m	1640	1125	1260	1114
Sulfur	ppm	ASTM D5185m		4155	4078	3990
Visc @ 40°C	cSt	ASTM D445	57.0	53.2	56.0	54.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0220022 **Received** : 09 Jul 2024
Lab Number : 06231728 **Tested** : 10 Jul 2024
Unique Number : 11115221 **Diagnosed** : 11 Jul 2024 - Don Baldrige
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: