



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 624 P 1DW624PACPLX19407
 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		JR0224992	JR0200283	JR0179130
Sample Date		Client Info		25 Jun 2024	04 Jan 2024	19 Oct 2023
Machine Age	hrs	Client Info		1961	947	480
Oil Age	hrs	Client Info		0	0	480
Filter Age	hrs	Client Info		0	0	480
Oil Changed		Client Info		Changed	Not Changd	N/A
Filter Changed		Client Info		Changed	Cleaned	Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL

WEAR

Bearing and/or bushing wear is indicated.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		17	24	16
Iron	ppm	ASTM D5185m	>750	71	112	59
Chromium	ppm	ASTM D5185m	>11	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	3	0	2
Lead	ppm	ASTM D5185m	>49	18	▲ 67	13
Copper	ppm	ASTM D5185m	>101	▲ 158	▲ 115	93
Tin	ppm	ASTM D5185m	>10	<1	1	<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

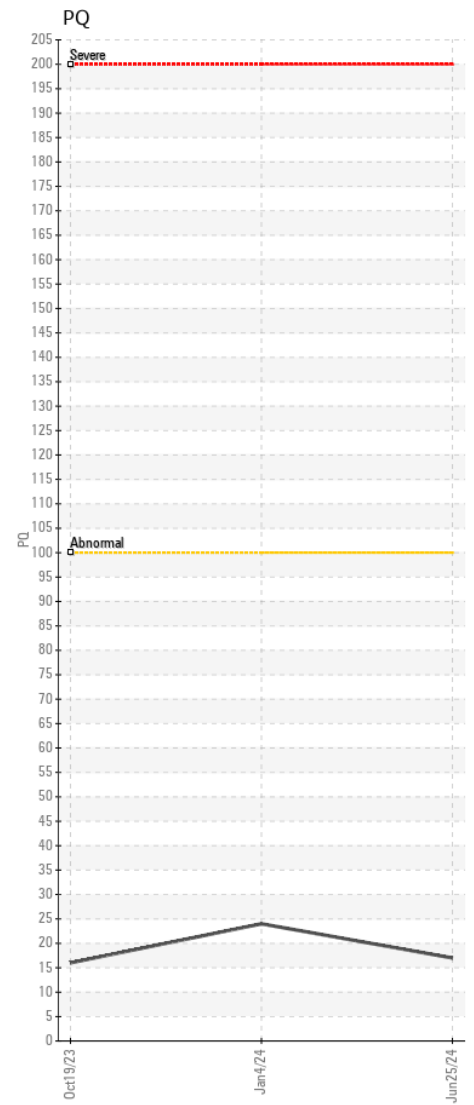
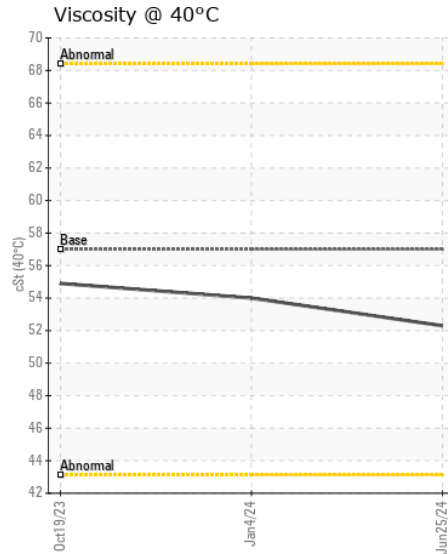
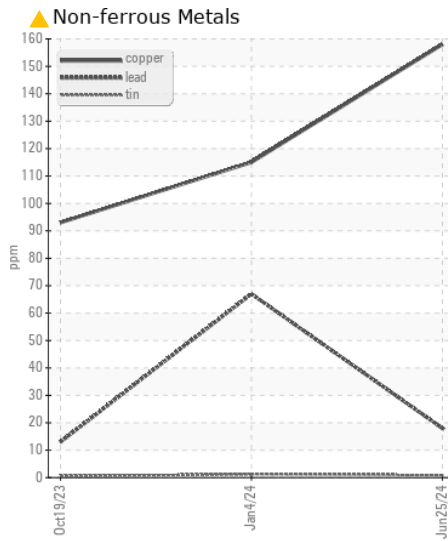
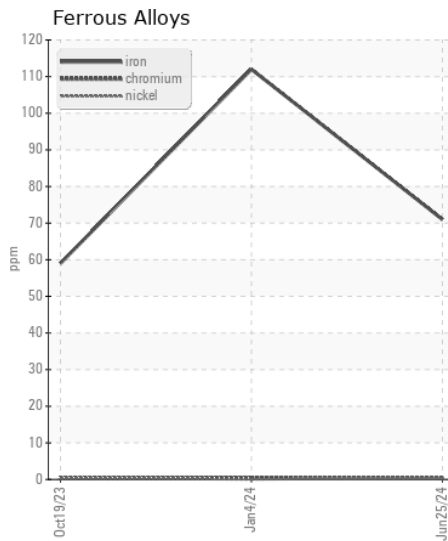
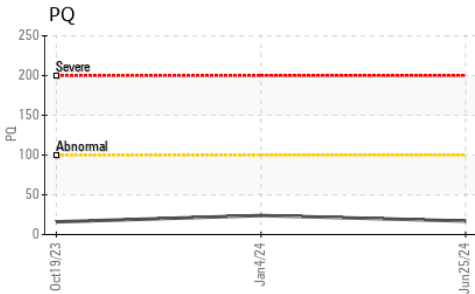
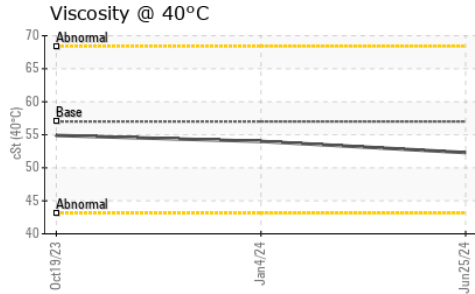
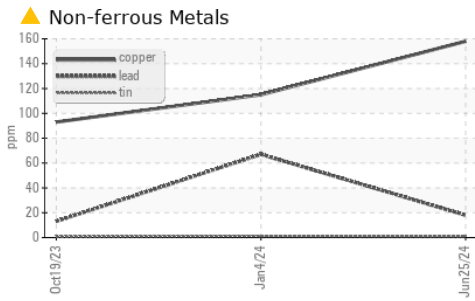
There is no indication of any contamination in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>31	4	5	4
Potassium	ppm	ASTM D5185m	>20	3	0	5
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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m	>51	6	7	5
Boron	ppm	ASTM D5185m	6	2	3	1
Barium	ppm	ASTM D5185m	0	4	2	14
Molybdenum	ppm	ASTM D5185m	0	1	0	<1
Manganese	ppm	ASTM D5185m		2	3	2
Magnesium	ppm	ASTM D5185m	145	90	90	93
Calcium	ppm	ASTM D5185m	3570	3317	3222	3534
Phosphorus	ppm	ASTM D5185m	1290	1047	1014	1090
Zinc	ppm	ASTM D5185m	1640	1188	1130	1257
Sulfur	ppm	ASTM D5185m		4060	3498	4671
Visc @ 40°C	cSt	ASTM D445	57.0	52.3	54.0	54.9



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0224992 **Received** : 27 Jun 2024
Lab Number : 06222524 **Tested** : 28 Jun 2024
Unique Number : 11100721 **Diagnosed** : 28 Jun 2024 - Angela Borella
Test Package : CONST (Additional Tests: PQ)

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)

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