



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 624P 1DW624PAAMLZ11005

Component
Front Differential

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

RECOMMENDATION

Oil and filter 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		JR0200237	JR0148082	JR0125471
Sample Date		Client Info		04 Jan 2024	16 Jan 2023	14 Sep 2022
Machine Age	hrs	Client Info		3952	2451	1969
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Chngd	Changed
Filter Changed		Client Info		Changed	Not Chngd	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		16	12	10
Iron	ppm	ASTM D5185m	>500	43	36	86
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	<1	2
Lead	ppm	ASTM D5185m	>25	17	11	▲ 34
Copper	ppm	ASTM D5185m	>100	▲ 202	▲ 115	▲ 330
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

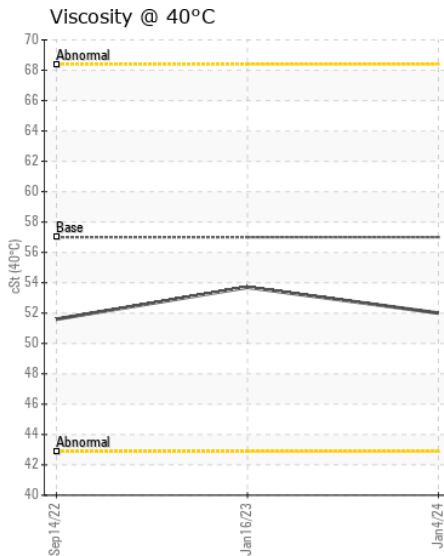
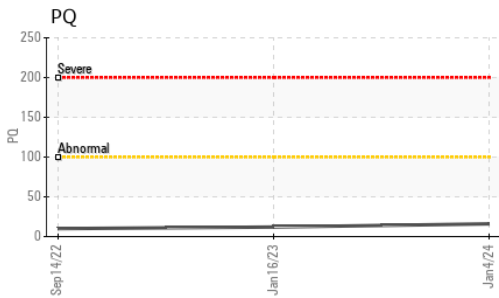
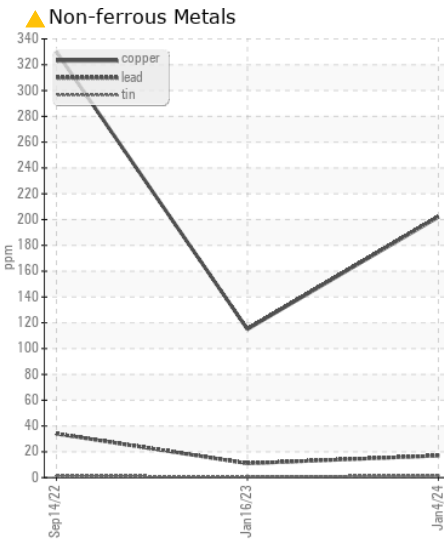
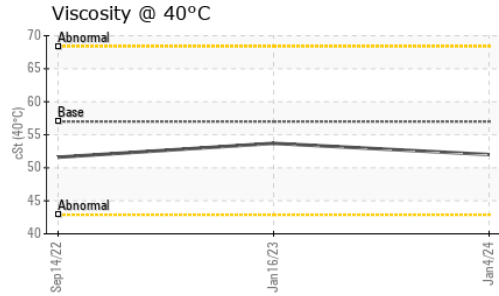
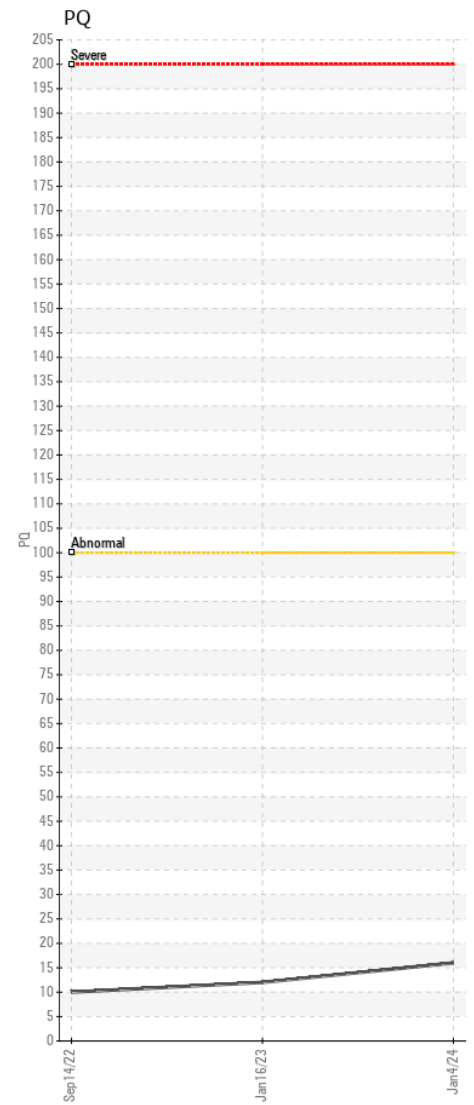
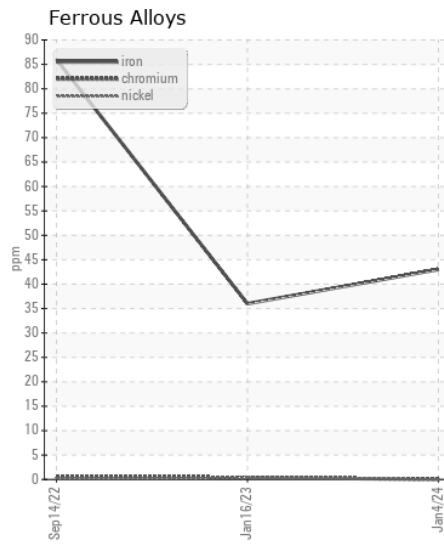
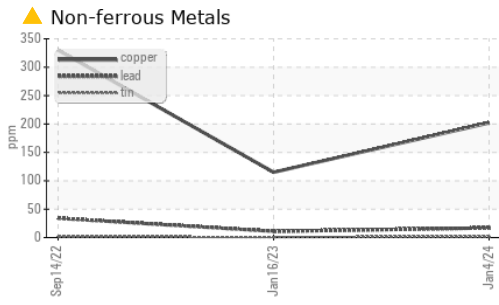
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	4	4	4
Potassium	ppm	ASTM D5185m	>20	0	<1	<1
Water		WC Method	>.2	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	>.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		4	2	5
Boron	ppm	ASTM D5185m	6	<1	<1	2
Barium	ppm	ASTM D5185m	0	0	11	<1
Molybdenum	ppm	ASTM D5185m	0	0	1	<1
Manganese	ppm	ASTM D5185m		1	<1	3
Magnesium	ppm	ASTM D5185m	145	85	92	87
Calcium	ppm	ASTM D5185m	3570	3047	3323	3183
Phosphorus	ppm	ASTM D5185m	1290	994	958	924
Zinc	ppm	ASTM D5185m	1640	1135	1199	1087
Sulfur	ppm	ASTM D5185m		3374	3743	3731
Visc @ 40°C	cSt	ASTM D445	57.0	52.0	53.7	51.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0200237 **Received** : 09 Jan 2024
Lab Number : 06055576 **Diagnosed** : 10 Jan 2024
Unique Number : 10821525 **Diagnostician** : Sean Felton
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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