



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 624 P 1DW624PAVPLX19408
Component
Front Axle
Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0207787	JR0191202	---
Sample Date		Client Info		16 May 2024	10 Nov 2023	---
Machine Age	hrs	Client Info		2299	1134	---
Oil Age	hrs	Client Info		2299	1134	---
Filter Age	hrs	Client Info		1165	930	---
Oil Changed		Client Info		Changed	Not Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

Metal levels are typical for a new component breaking in.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		22	17	---
Iron	ppm	ASTM D5185m	>750	84	58	---
Chromium	ppm	ASTM D5185m	>11	1	<1	---
Nickel	ppm	ASTM D5185m	>10	<1	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>21	1	<1	---
Lead	ppm	ASTM D5185m	>49	22	19	---
Copper	ppm	ASTM D5185m	>101	164	95	---
Tin	ppm	ASTM D5185m	>10	3	2	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

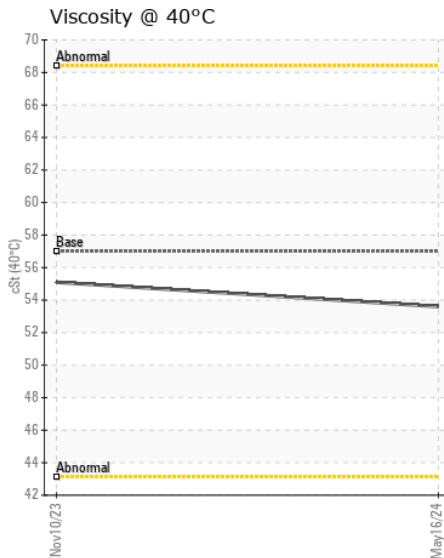
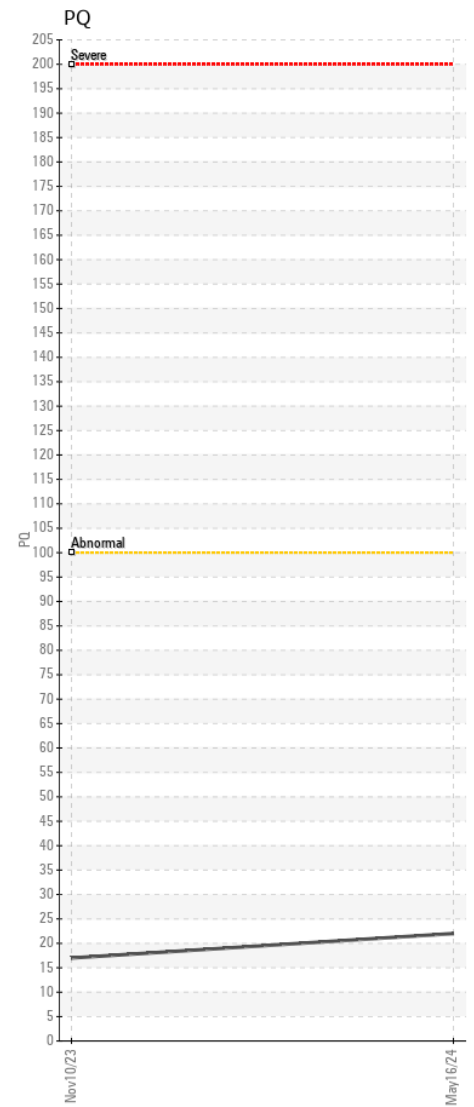
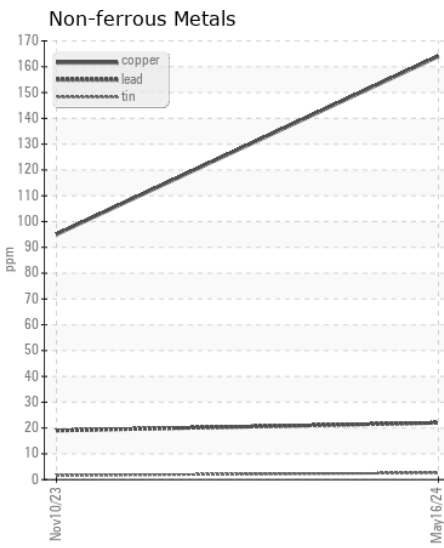
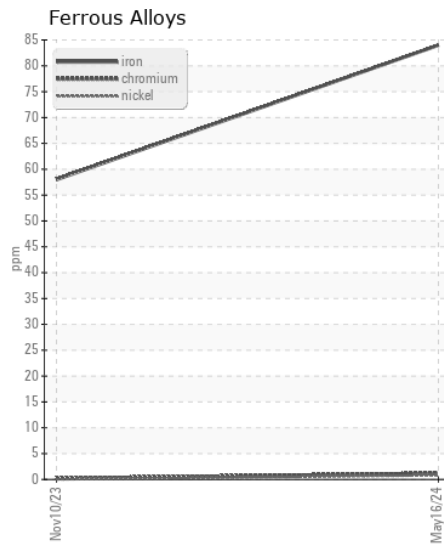
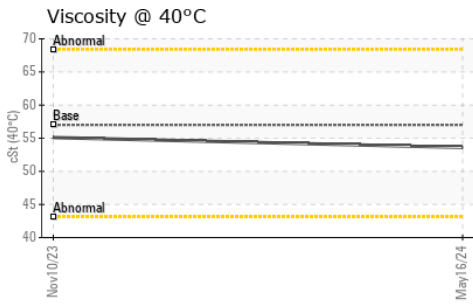
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	6	4	---
Potassium	ppm	ASTM D5185m	>20	5	5	---
Water		WC Method	>0.1	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	8	9	---
Boron	ppm	ASTM D5185m	6	3	5	---
Barium	ppm	ASTM D5185m	0	5	4	---
Molybdenum	ppm	ASTM D5185m	0	<1	4	---
Manganese	ppm	ASTM D5185m		2	2	---
Magnesium	ppm	ASTM D5185m	145	93	111	---
Calcium	ppm	ASTM D5185m	3570	3487	3595	---
Phosphorus	ppm	ASTM D5185m	1290	1095	1099	---
Zinc	ppm	ASTM D5185m	1640	1204	1344	---
Sulfur	ppm	ASTM D5185m		4966	3990	---
Visc @ 40°C	cSt	ASTM D445	57.0	53.6	55.1	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : JR0207787

Lab Number : 06186926

Unique Number : 11043678

Test Package : CONST (Additional Tests: PQ)

Received : 21 May 2024

Tested : 23 May 2024

Diagnosed : 23 May 2024 - Don Baldrige

JRE - ASHEVILLE

101 BRUCE DRIVE

ASHEVILLE, NC

US 28806

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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)