



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 624L 1DW624LZVKF700814
 Component
Front Differential
 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		JR0218937	JR0175760	---
Sample Date		Client Info		10 Jul 2024	13 Jun 2023	---
Machine Age	hrs	Client Info		5990	5167	---
Oil Age	hrs	Client Info		823	0	---
Filter Age	hrs	Client Info		823	0	---
Oil Changed		Client Info		Not Changd	N/A	---
Filter Changed		Client Info		Changed	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		29	33	---
Iron	ppm	ASTM D5185m	>500	69	182	---
Chromium	ppm	ASTM D5185m	>10	<1	<1	---
Nickel	ppm	ASTM D5185m	>10	0	<1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	2	0	---
Lead	ppm	ASTM D5185m	>25	6	14	---
Copper	ppm	ASTM D5185m	>100	26	63	---
Tin	ppm	ASTM D5185m	>10	2	4	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

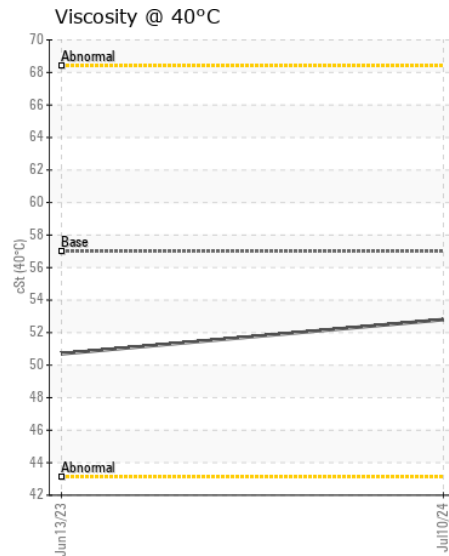
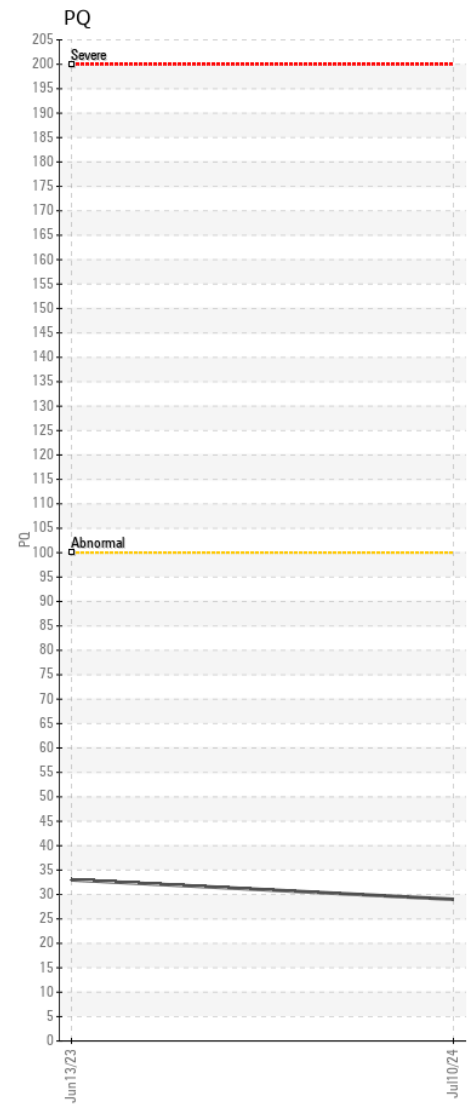
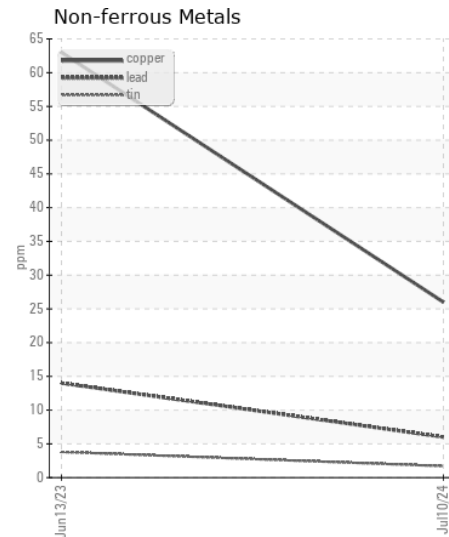
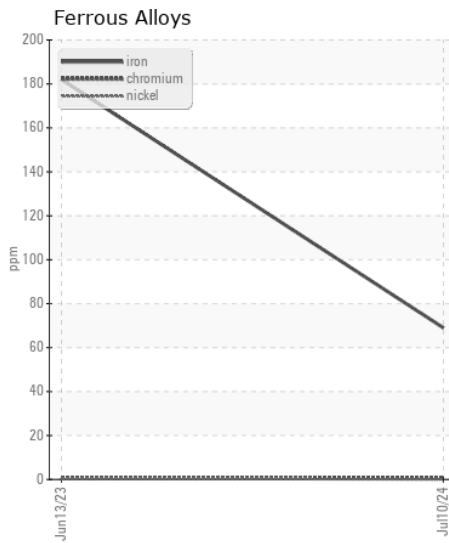
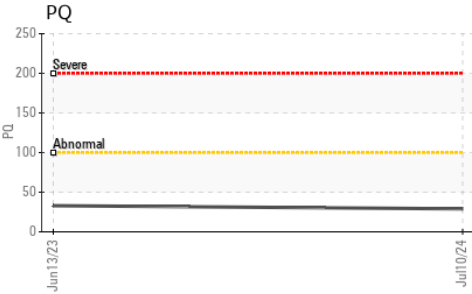
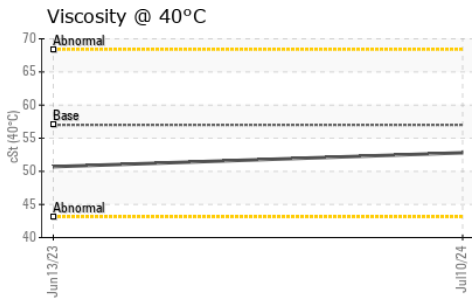
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	6	7	---
Potassium	ppm	ASTM D5185m	>20	2	1	---
Water		WC Method	>.2	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	>.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<1	6	---
Boron	ppm	ASTM D5185m	6	0	<1	---
Barium	ppm	ASTM D5185m	0	0	11	---
Molybdenum	ppm	ASTM D5185m	0	2	<1	---
Manganese	ppm	ASTM D5185m		<1	4	---
Magnesium	ppm	ASTM D5185m	145	104	106	---
Calcium	ppm	ASTM D5185m	3570	4152	3562	---
Phosphorus	ppm	ASTM D5185m	1290	1162	1070	---
Zinc	ppm	ASTM D5185m	1640	1399	1248	---
Sulfur	ppm	ASTM D5185m		3972	4142	---
Visc @ 40°C	cSt	ASTM D445	57.0	52.8	50.7	---



Certificate L2367

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

Sample No. : JR0218937

Lab Number : 06235200

Unique Number : 11124034

Test Package : CONST (Additional Tests: PQ)

Received : 12 Jul 2024

Tested : 15 Jul 2024

Diagnosed : 15 Jul 2024 - Wes Davis

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)