



WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 624L 1DW624LZVKF700814

Component
Rear Differential

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		JR0218938	JR0175759	---
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	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR

Bearing and/or bushing wear is indicated.

Test	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		22	35	---
Iron	ppm	ASTM D5185m	>500	56	241	---
Chromium	ppm	ASTM D5185m	>10	<1	<1	---
Nickel	ppm	ASTM D5185m	>10	0	1	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	2	<1	---
Lead	ppm	ASTM D5185m	>25	▲ 41	▲ 136	---
Copper	ppm	ASTM D5185m	>100	27	▲ 96	---
Tin	ppm	ASTM D5185m	>10	2	7	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

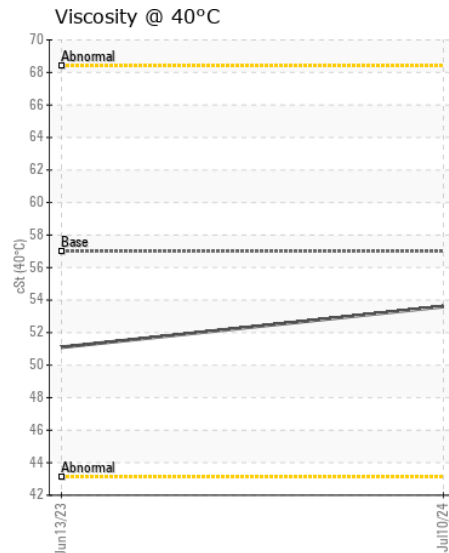
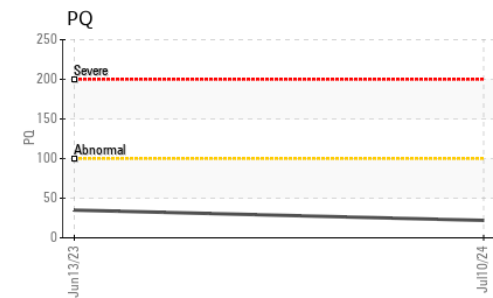
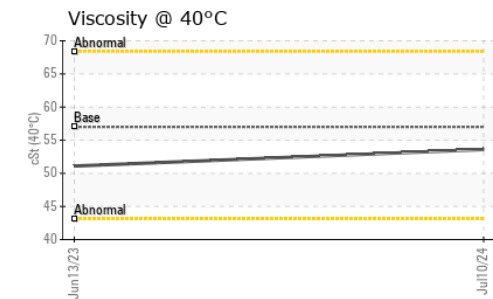
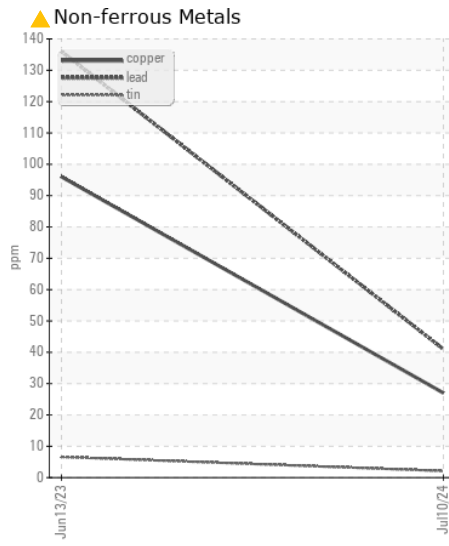
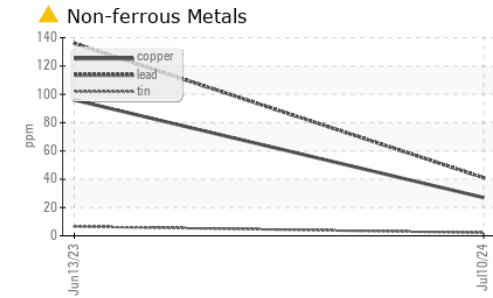
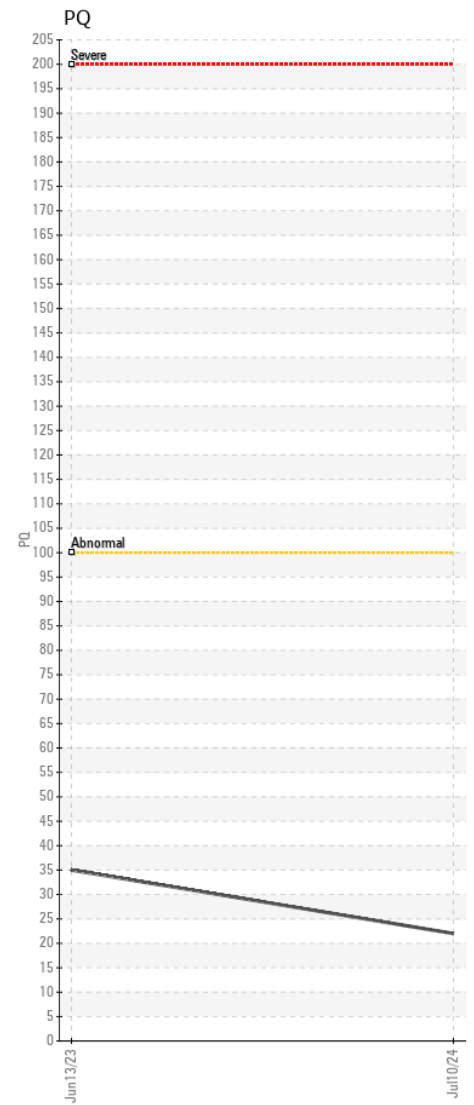
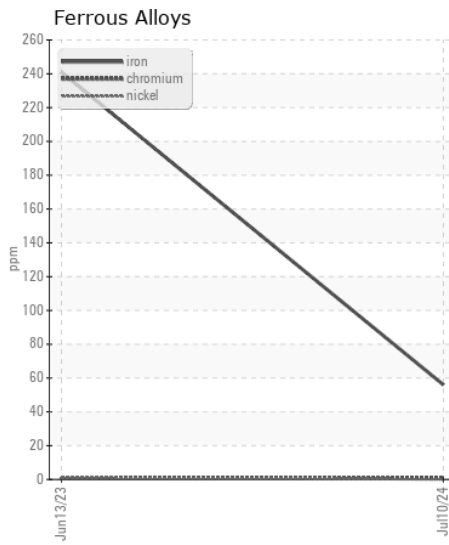
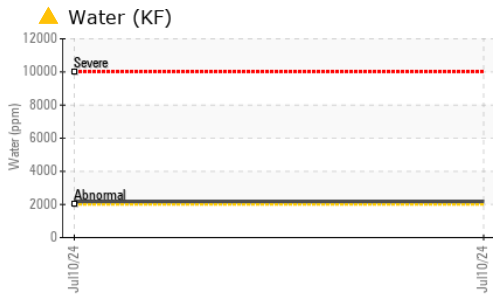
There is a light concentration of water present in the oil.

Silicon	ppm	ASTM D5185m	>75	4	8	---
Potassium	ppm	ASTM D5185m	>20	2	3	---
Water	%	ASTM D6304	>.2	▲ 0.216	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 2160	---	---
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	▲ 0.2%	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	3	---
Barium	ppm	ASTM D5185m	0	0	7	---
Molybdenum	ppm	ASTM D5185m	0	<1	<1	---
Manganese	ppm	ASTM D5185m		<1	4	---
Magnesium	ppm	ASTM D5185m	145	93	85	---
Calcium	ppm	ASTM D5185m	3570	3650	3283	---
Phosphorus	ppm	ASTM D5185m	1290	1063	1029	---
Zinc	ppm	ASTM D5185m	1640	1245	1156	---
Sulfur	ppm	ASTM D5185m		3472	3898	---
Visc @ 40°C	cSt	ASTM D445	57.0	53.6	51.1	---



Certificate L2367

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

Sample No. : JR0218938

Lab Number : 06235201

Unique Number : 11124035

Test Package : CONST (Additional Tests: KF, PQ)

Received : 12 Jul 2024

Tested : 15 Jul 2024

Diagnosed : 16 Jul 2024 - Sean Felton

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)