



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[126118]

Machine Id

JOHN DEERE 244L 1LU244LXLZB072752

Component

Rear Differential

Fluid

JOHN DEERE HY-GARD HYD/TRANS (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WE0006917	WE0006433	---
Sample Date		Client Info		15 Apr 2024	14 Dec 2023	---
Machine Age	hrs	Client Info		1239	652	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		Changed	Not Changd	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		452	415	---
Iron	ppm	ASTM D5185m	>500	561	414	---
Chromium	ppm	ASTM D5185m	>10	6	4	---
Nickel	ppm	ASTM D5185m	>10	1	2	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	1	1	---
Lead	ppm	ASTM D5185m	>25	0	0	---
Copper	ppm	ASTM D5185m	>100	13	6	---
Tin	ppm	ASTM D5185m	>10	<1	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

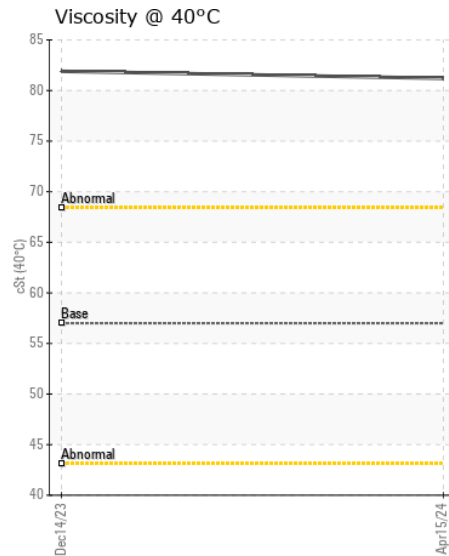
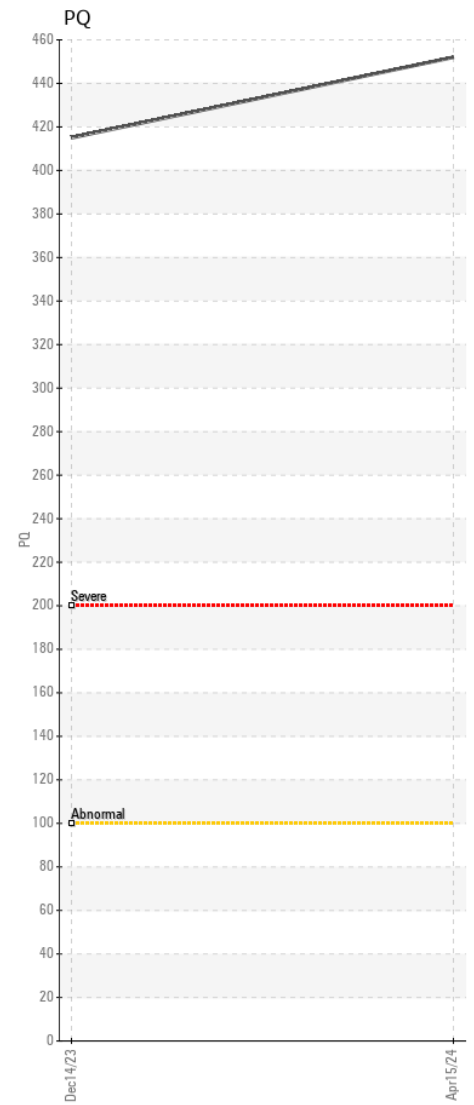
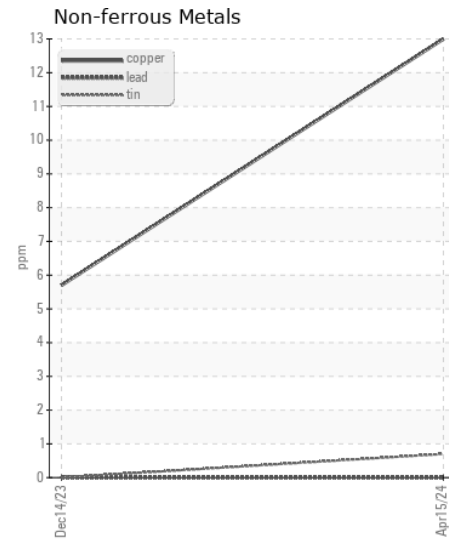
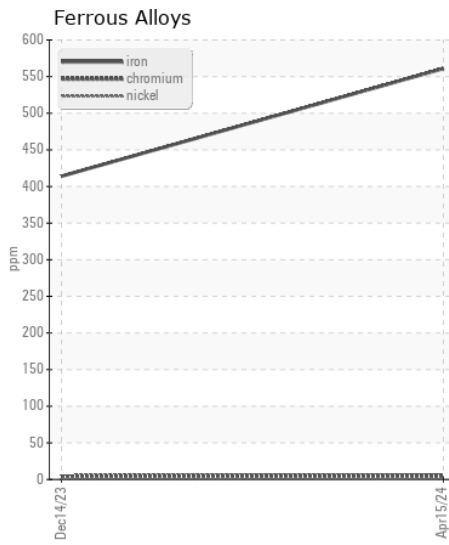
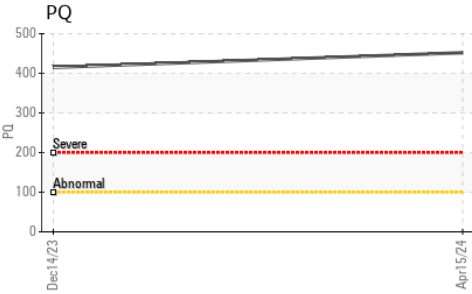
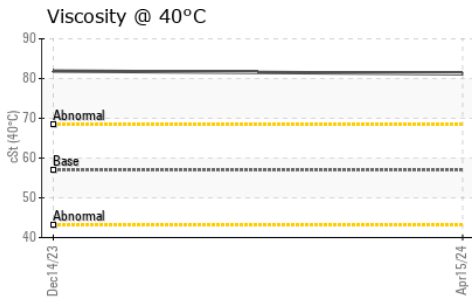
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	34	30	---
Potassium	ppm	ASTM D5185m	>20	2	2	---
Water		WC Method	>.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	LIGHT	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		4	<1	---
Boron	ppm	ASTM D5185m	6	131	113	---
Barium	ppm	ASTM D5185m	0	6	0	---
Molybdenum	ppm	ASTM D5185m	0	0	<1	---
Manganese	ppm	ASTM D5185m		11	7	---
Magnesium	ppm	ASTM D5185m	145	2	3	---
Calcium	ppm	ASTM D5185m	3570	744	818	---
Phosphorus	ppm	ASTM D5185m	1290	752	737	---
Zinc	ppm	ASTM D5185m	1640	1505	1474	---
Sulfur	ppm	ASTM D5185m		5728	5556	---
Visc @ 40°C	cSt	ASTM D445	57.0	81.2	81.9	---



Certificate L2367

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

Sample No. : WE0006917

Lab Number : 06152214

Unique Number : 10982292

Test Package : CONST (Additional Tests: PQ)

Received : 17 Apr 2024

Tested : 18 Apr 2024

Diagnosed : 22 Apr 2024 - Don Baldrige

WARRIOR TRACTOR AND EQUIPMENT - NORTHPORT

P.O. BOX 412

NORTHPORT, AL

US 35476

Contact: CRAIG ANDOE

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T: (205)339-0300

F:

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)