



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Area
[126118]

Machine Id
JOHN DEERE 244L 1LU244LXLZB072752

Component
Front 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		WE0006918	WE0006432	---
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				ATTENTION	ABNORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		469	▲ 438	---
Iron	ppm	ASTM D5185m	>500	618	▲ 517	---
Chromium	ppm	ASTM D5185m	>10	8	6	---
Nickel	ppm	ASTM D5185m	>10	<1	2	---
Titanium	ppm	ASTM D5185m		3	3	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	9	8	---
Lead	ppm	ASTM D5185m	>25	0	0	---
Copper	ppm	ASTM D5185m	>100	4	3	---
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

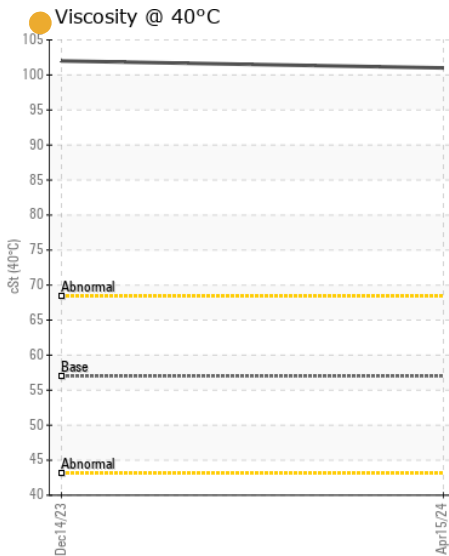
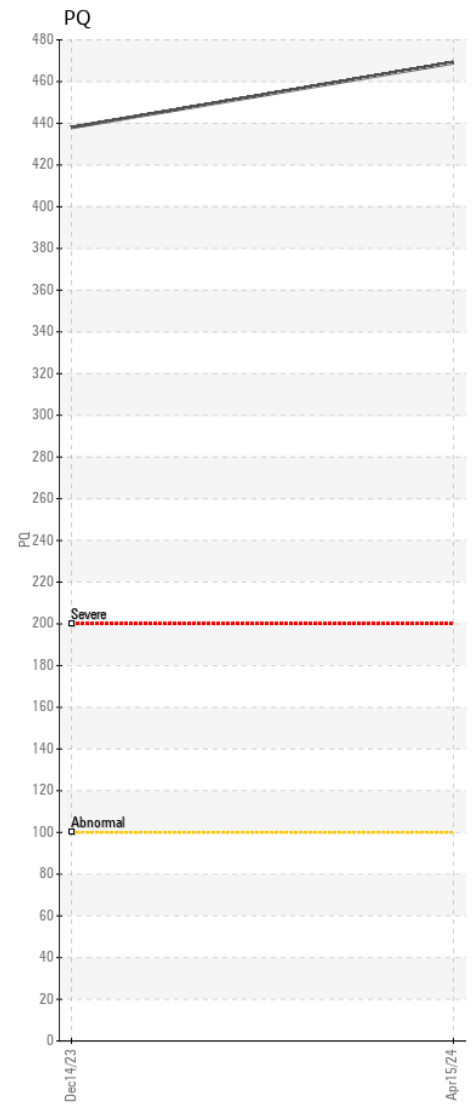
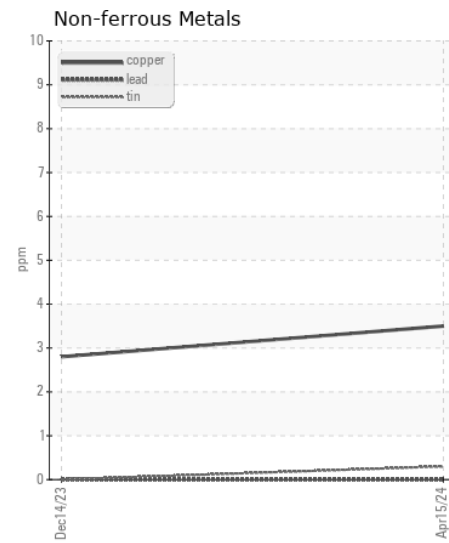
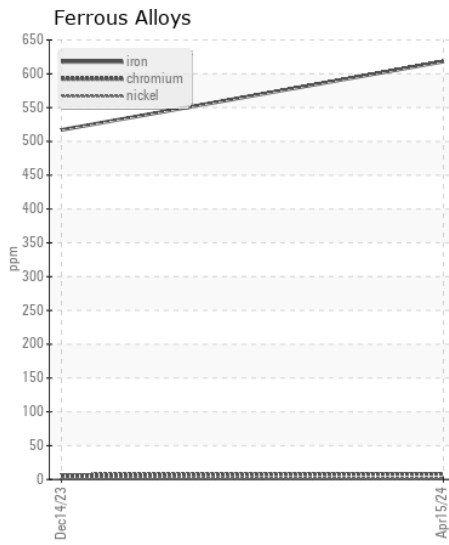
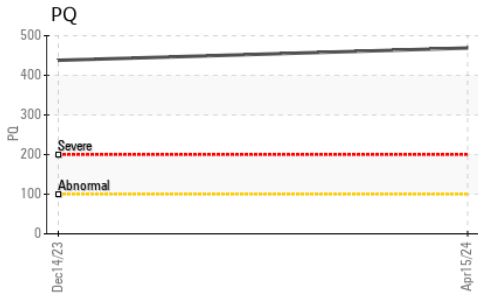
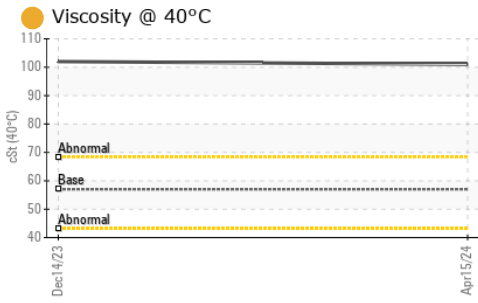
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	41	38	---
Potassium	ppm	ASTM D5185m	>20	4	4	---
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 oil viscosity is higher than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

Sodium	ppm	ASTM D5185m		9	6	---
Boron	ppm	ASTM D5185m	6	123	▲ 108	---
Barium	ppm	ASTM D5185m	0	3	0	---
Molybdenum	ppm	ASTM D5185m	0	19	17	---
Manganese	ppm	ASTM D5185m		10	8	---
Magnesium	ppm	ASTM D5185m	145	10	7	---
Calcium	ppm	ASTM D5185m	3570	767	794	---
Phosphorus	ppm	ASTM D5185m	1290	734	739	---
Zinc	ppm	ASTM D5185m	1640	1452	1453	---
Sulfur	ppm	ASTM D5185m		6207	5728	---
Visc @ 40°C	cSt	ASTM D445	57.0	● 101	▲ 102	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WE0006918 **Received** : 17 Apr 2024
Lab Number : 06152213 **Tested** : 18 Apr 2024
Unique Number : 10982291 **Diagnosed** : 22 Apr 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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 US 35476
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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)