

OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
JOHN DEERE 243

Component
Front Differential

Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

DIAGNOSIS

▲ Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

▲ Wear

Bearing and/or bushing wear is indicated. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PCA0107163	PCA0105096	---
Sample Date	Client Info		08 Feb 2024	27 Sep 2023	---
Machine Age	hrs	Client Info	2779	2454	---
Oil Age	hrs	Client Info	325	2454	---
Oil Changed	Client Info		N/A	Changed	---
Sample Status			ABNORMAL	SEVERE	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>.2	NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	30	56	---
Chromium	ppm	ASTM D5185m >10	<1	<1	---
Nickel	ppm	ASTM D5185m >10	0	<1	---
Titanium	ppm	ASTM D5185m	0	0	---
Silver	ppm	ASTM D5185m	0	0	---
Aluminum	ppm	ASTM D5185m >25	1	1	---
Lead	ppm	ASTM D5185m >25	▲ 32	▲ 84	---
Copper	ppm	ASTM D5185m >100	▲ 103	520	---
Tin	ppm	ASTM D5185m >10	1	38	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 6	134	<1	---
Barium	ppm	ASTM D5185m 0	0	2	---
Molybdenum	ppm	ASTM D5185m 0	1	0	---
Manganese	ppm	ASTM D5185m	0	2	---
Magnesium	ppm	ASTM D5185m 145	37	106	---
Calcium	ppm	ASTM D5185m 3570	4648	3398	---
Phosphorus	ppm	ASTM D5185m 1290	1663	1116	---
Zinc	ppm	ASTM D5185m 1640	1821	1234	---
Sulfur	ppm	ASTM D5185m	5248	3912	---

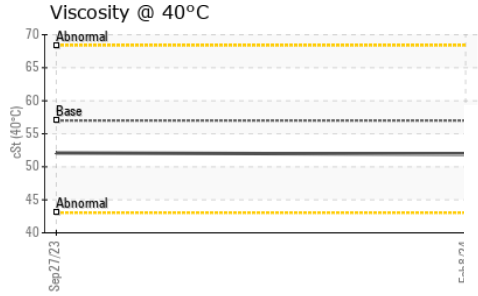
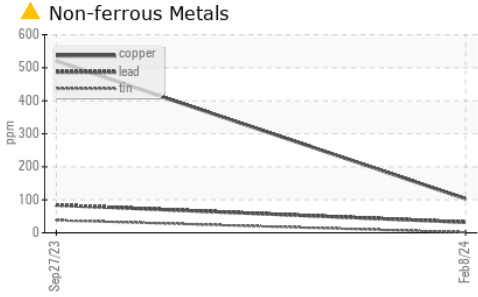
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	10	5	---
Sodium	ppm	ASTM D5185m	0	4	---
Potassium	ppm	ASTM D5185m >20	2	2	---

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual NONE	NONE	NONE	---
Precipitate	scalar	*Visual NONE	NONE	NONE	---
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	---
Free Water	scalar	*Visual	NEG	NEG	---

OIL ANALYSIS REPORT



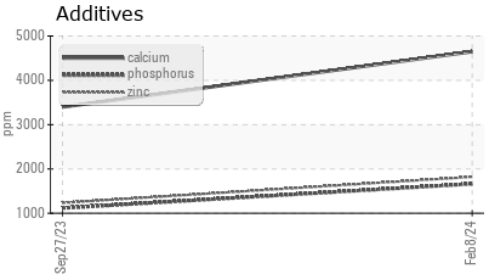
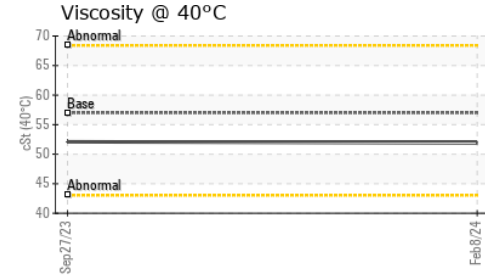
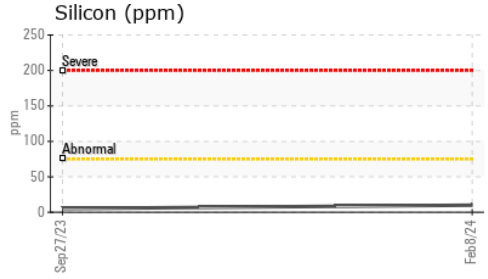
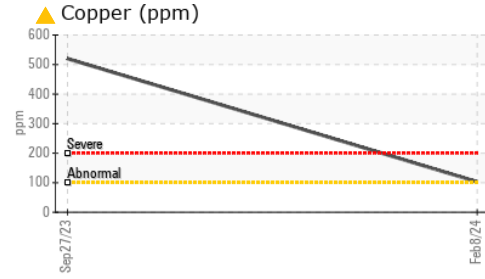
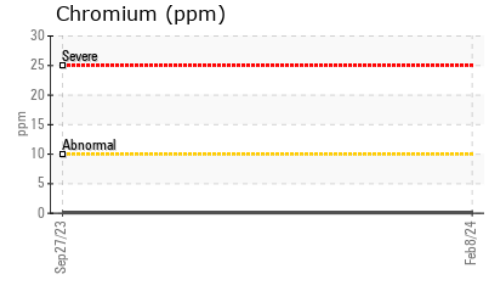
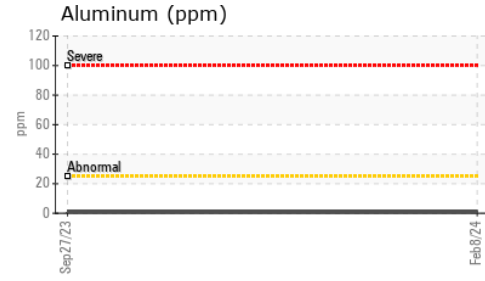
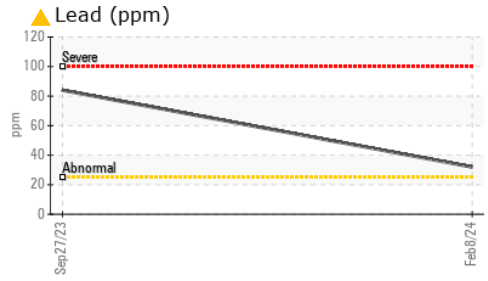
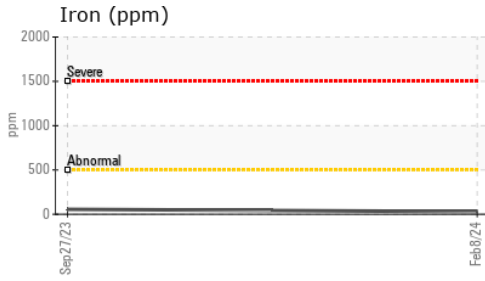
FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	57.0	51.9	52.1

SAMPLE IMAGES

method	limit/base	current	history1	history2
Color			no image	no image
Bottom			no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0107163 **Received** : 22 Feb 2024
Lab Number : 06098015 **Tested** : 23 Feb 2024
Unique Number : 10896245 **Diagnosed** : 25 Feb 2024 - Don Baldrige
Test Package : MOB 1

CENTRAL VALLEY AG
 5707 LANGWORTH
 OAKDALE, CA
 US 95361
 Contact: S MCHENRY
 smchenry@cv-ag.com
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 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)