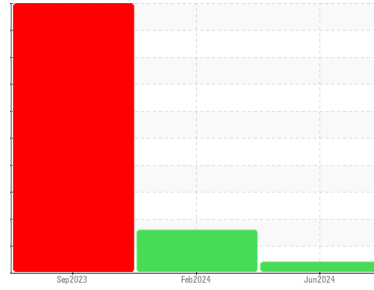


OIL ANALYSIS REPORT

Sample Rating Trend



VIS DEBRIS



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. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present 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	PCA0127655	PCA0107163	PCA0105096
Sample Date	Client Info	19 Jun 2024	08 Feb 2024	27 Sep 2023
Machine Age	hrs	4463	2779	2454
Oil Age	hrs	500	325	2454
Oil Changed	Client Info	Changed	N/A	Changed
Sample Status		ABNORMAL	ABNORMAL	SEVERE

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >500	30	30	56
Chromium	ppm ASTM D5185m >10	0	<1	<1
Nickel	ppm ASTM D5185m >10	0	0	<1
Titanium	ppm ASTM D5185m	0	0	0
Silver	ppm ASTM D5185m	0	0	0
Aluminum	ppm ASTM D5185m >25	1	1	1
Lead	ppm ASTM D5185m >25	11	▲ 32	▲ 84
Copper	ppm ASTM D5185m >100	72	▲ 103	▲ 520
Tin	ppm ASTM D5185m >10	4	1	▲ 38
Vanadium	ppm ASTM D5185m	0	0	0
Cadmium	ppm ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 6	15	134	<1
Barium	ppm ASTM D5185m 0	0	0	2
Molybdenum	ppm ASTM D5185m 0	0	1	0
Manganese	ppm ASTM D5185m	1	0	2
Magnesium	ppm ASTM D5185m 145	95	37	106
Calcium	ppm ASTM D5185m 3570	3616	4648	3398
Phosphorus	ppm ASTM D5185m 1290	1134	1663	1116
Zinc	ppm ASTM D5185m 1640	1343	1821	1234
Sulfur	ppm ASTM D5185m	4218	5248	3912

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >75	11	10	5
Sodium	ppm ASTM D5185m	2	0	4
Potassium	ppm ASTM D5185m >20	<1	2	2

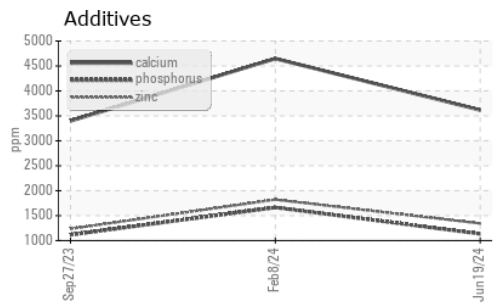
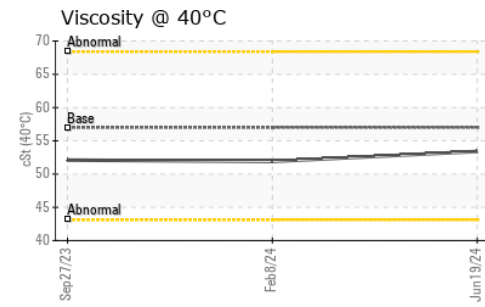
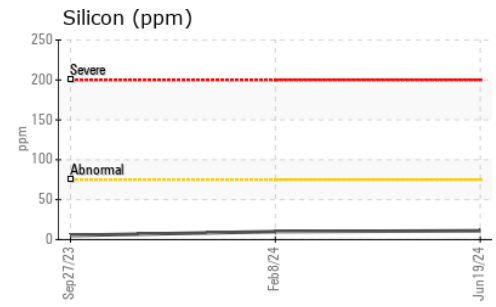
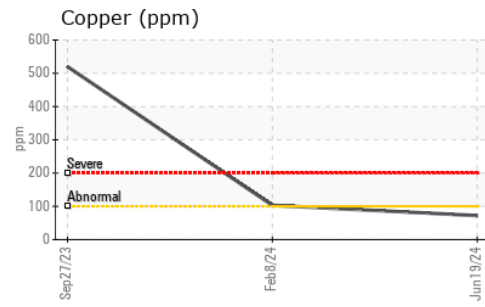
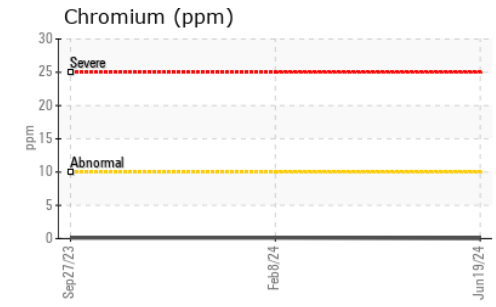
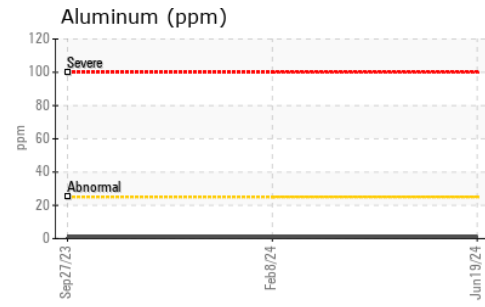
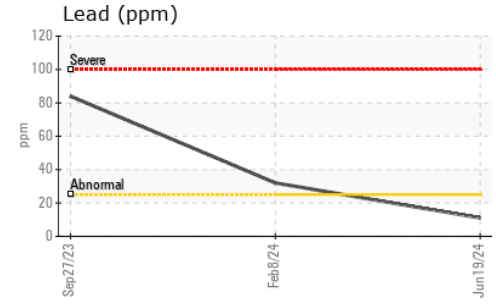
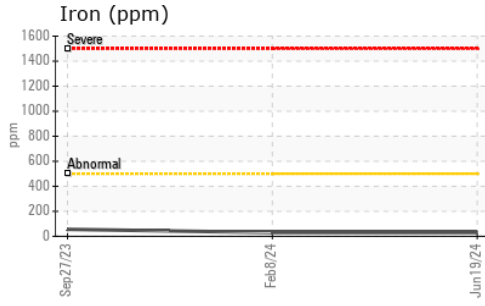
VISUAL

method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	NONE	NONE	NONE
Yellow Metal	scalar *Visual NONE	NONE	NONE	NONE
Precipitate	scalar *Visual NONE	NONE	NONE	NONE
Silt	scalar *Visual NONE	NONE	NONE	NONE
Debris	scalar *Visual NONE	▲ MODER	NONE	NONE
Sand/Dirt	scalar *Visual NONE	NONE	NONE	NONE
Appearance	scalar *Visual NORML	NORML	NORML	NORML
Odor	scalar *Visual NORML	NORML	NORML	NORML
Emulsified Water	scalar *Visual >.2	NEG	NEG	NEG
Free Water	scalar *Visual	NEG	NEG	NEG

OIL ANALYSIS REPORT

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0127655 **Received** : 24 Jun 2024
Lab Number : 06218945 **Tested** : 25 Jun 2024
Unique Number : 11097142 **Diagnosed** : 26 Jun 2024 - Sean Felton
Test Package : MOB 1

CENTRAL VALLEY AG
 5707 LANGWORTH
 OAKDALE, CA
 US 95361
 Contact: S MCHENRY
 smchenry@cv-ag.com
 T: (209)630-8094
 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)