



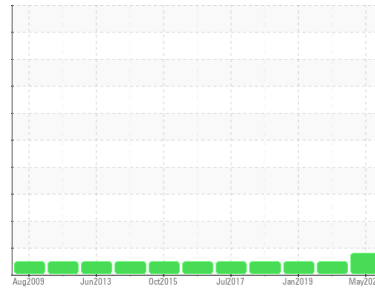
PROBLEM SUMMARY

Sample Rating Trend

WEAR

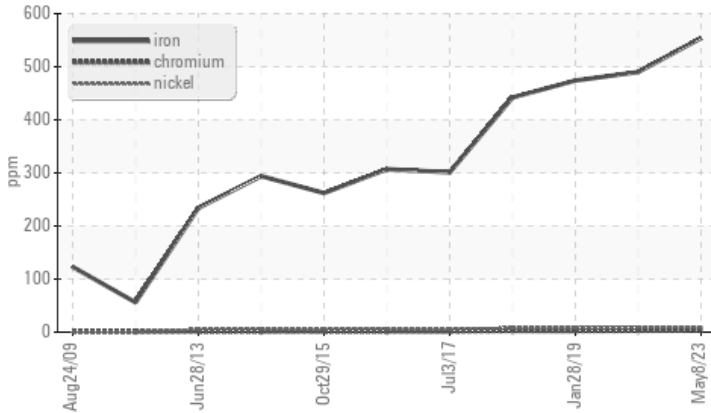


Machine Id
JOHN DEERE 544J LW-204 (S/N 619658)
Component
Rear Differential
Fluid
MOBIL MOBILFLUID 424 (10 GAL)



COMPONENT CONDITION SUMMARY

▲ Ferrous Alloys



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>500	▲ 554	490	474

Customer Id: ECPROA
Sample No.: WC0705269
Lab Number: 05901621
Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldrige +1
don.b505@comcast.net

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

01 Apr 2021 Diag: Don Baldrige

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

view report



28 Jan 2019 Diag: Don Baldrige

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

view report



23 Feb 2018 Diag: Don Baldrige

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The condition of the oil is acceptable for the time in service.

view report





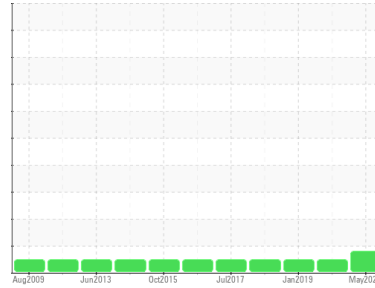
OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



Machine Id
JOHN DEERE 544J LW-204 (S/N 619658)
 Component
Rear Differential
 Fluid
MOBIL MOBILFLUID 424 (10 GAL)



DIAGNOSIS

▲ Recommendation

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

▲ Wear

Gear 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		WC0705269	WC0317762	WCMFC22739
Sample Date	Client Info		08 May 2023	01 Apr 2021	28 Jan 2019
Machine Age	hrs	Client Info	8367	7445	6425
Oil Age	hrs	Client Info	8367	1000	2500
Oil Changed	Client Info		Not Chngd	Not Chngd	Not Chngd
Sample Status			ABNORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	▲ 554	490	474
Chromium	ppm	ASTM D5185m >10	3	3	2
Nickel	ppm	ASTM D5185m >10	9	9	8
Titanium	ppm	ASTM D5185m	1	1	<1
Silver	ppm	ASTM D5185m	0	<1	0
Aluminum	ppm	ASTM D5185m >25	10	7	5
Lead	ppm	ASTM D5185m >25	0	<1	2
Copper	ppm	ASTM D5185m >100	49	42	60
Tin	ppm	ASTM D5185m >10	3	0	0
Antimony	ppm	ASTM D5185m >5	---	0	0
Vanadium	ppm	ASTM D5185m	0	<1	0
Cadmium	ppm	ASTM D5185m	0	<1	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	79	85	91
Barium	ppm	ASTM D5185m	0	<1	0
Molybdenum	ppm	ASTM D5185m	1	0	0
Manganese	ppm	ASTM D5185m	10	8	8
Magnesium	ppm	ASTM D5185m	20	17	12
Calcium	ppm	ASTM D5185m	3618	3220	3839
Phosphorus	ppm	ASTM D5185m	1152	1118	1121
Zinc	ppm	ASTM D5185m	1452	1239	1501
Sulfur	ppm	ASTM D5185m	10405	7147	8490

CONTAMINANTS

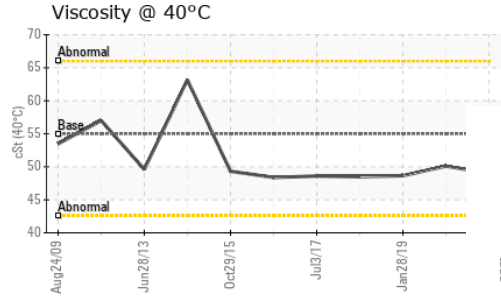
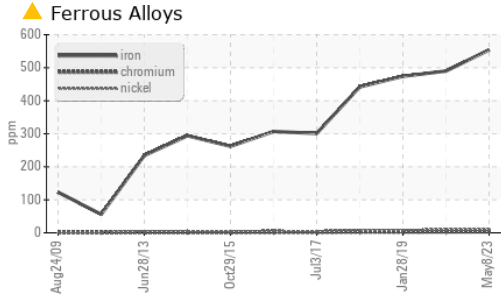
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	44	40	31
Sodium	ppm	ASTM D5185m	3	4	3
Potassium	ppm	ASTM D5185m >20	2	16	2

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	NONE	MODER
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	NONE	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



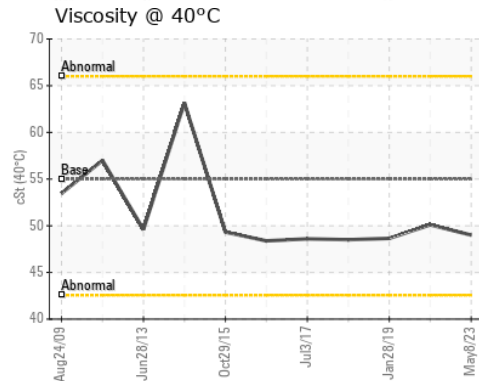
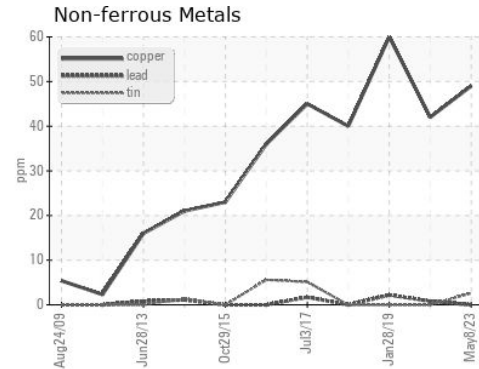
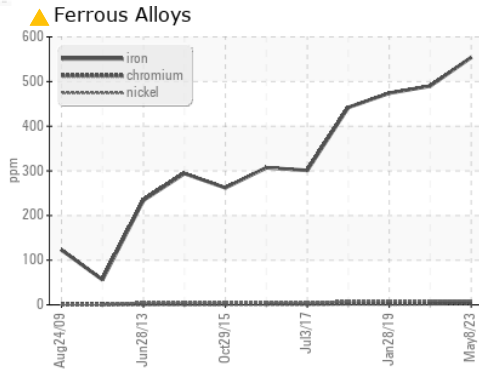
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 55	49.0	50.1	48.65

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. : WC0705269 **Received** : 18 Jul 2023
Lab Number : **05901621** **Diagnosed** : 20 Jul 2023
Unique Number : 10562977 **Diagnostician** : Don Baldrige
Test Package : FLEET (Additional Tests: PrtCount)

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 US 24012
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Certificate L2367
 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)