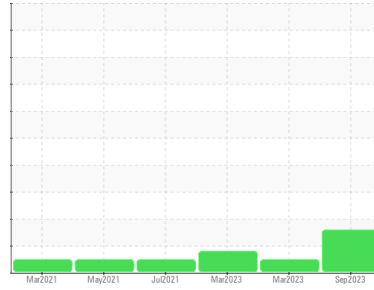


PROBLEM SUMMARY

Sample Rating Trend

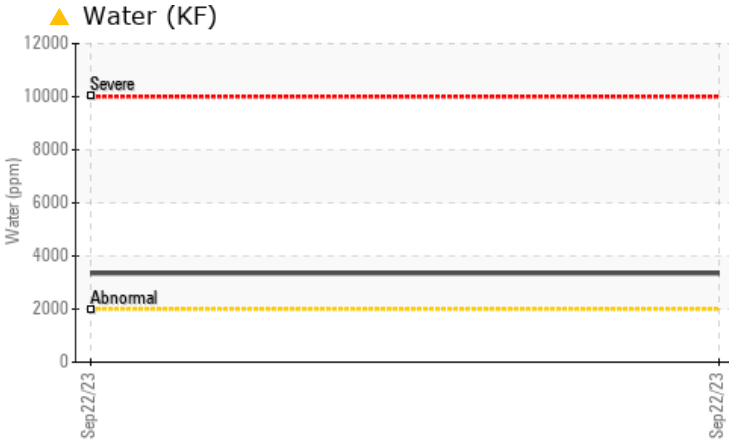


WATER



Machine Id
JOHN DEERE 748L 1DW748LBVMF709122
Component
Rear Differential
Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	NORMAL	ATTENTION
Water	%	ASTM D6304	>.2	▲ 0.335	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 3350	---	---

Customer Id: JAMBUR
Sample No.: JR0120717
Lab Number: 05966607
Test Package: MOBCE



To manage this report scan the QR code

To discuss the diagnosis or test data:
Sean Felton +1 919-379-4092
sfelton@wearcheckusa.com

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

24 Mar 2023 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



24 Mar 2023 Diag: Don Baldrige

WEAR



The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Note that there appears to be a discrepancy in the total time on this component, when compared to the historical data. An increase in the iron level is noted. An increase in the copper level is noted. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

view report



15 Jul 2021 Diag: Jonathan Hester

NORMAL



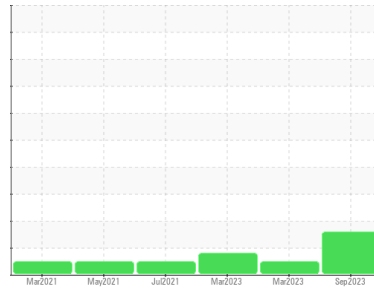
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

view report



OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id
JOHN DEERE 748L 1DW748LBVMF709122

Component

Rear 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

All component wear rates are normal.

▲ Contamination

There is a light concentration of water 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		JR0120717	JR0163965	JR0163964
Sample Date	Client Info		22 Sep 2023	24 Mar 2023	24 Mar 2023
Machine Age	hrs	Client Info	5700	4539	4538
Oil Age	hrs	Client Info	0	1	0
Oil Changed	Client Info		Not Chngd	Not Chngd	Changed
Sample Status			ABNORMAL	NORMAL	ATTENTION

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184		58	14	91
Iron	ppm	ASTM D5185m >500	88	11	▲ 307
Chromium	ppm	ASTM D5185m >10	<1	<1	1
Nickel	ppm	ASTM D5185m >10	<1	<1	2
Titanium	ppm	ASTM D5185m	0	0	<1
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	0	0	1
Lead	ppm	ASTM D5185m >25	0	0	3
Copper	ppm	ASTM D5185m >100	19	1	47
Tin	ppm	ASTM D5185m >10	<1	0	3
Antimony	ppm	ASTM D5185m >5	---	---	---
Vanadium	ppm	ASTM D5185m	0	<1	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 6	0	0	0
Barium	ppm	ASTM D5185m 0	0	0	0
Molybdenum	ppm	ASTM D5185m 0	0	<1	1
Manganese	ppm	ASTM D5185m	1	<1	4
Magnesium	ppm	ASTM D5185m 145	43	100	86
Calcium	ppm	ASTM D5185m 3570	2327	3334	3311
Phosphorus	ppm	ASTM D5185m 1290	812	993	1010
Zinc	ppm	ASTM D5185m 1640	940	1256	1226
Sulfur	ppm	ASTM D5185m	2773	3225	3319

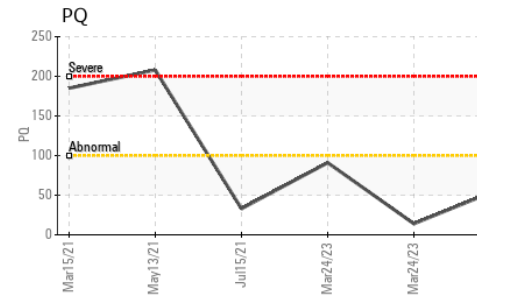
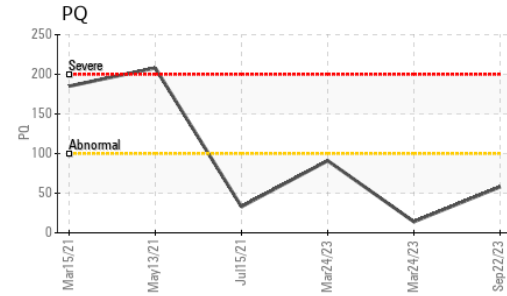
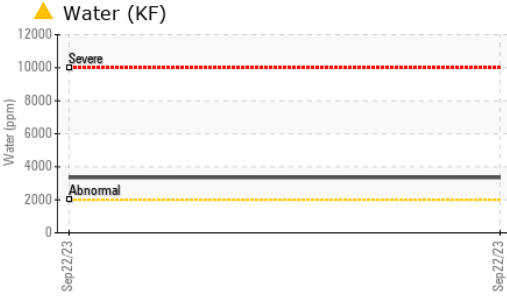
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	2	4	7
Sodium	ppm	ASTM D5185m	1	<1	3
Potassium	ppm	ASTM D5185m >20	0	1	2
Water	%	ASTM D6304 >.2	▲ 0.335	---	---
ppm Water	ppm	ASTM D6304 >2000	▲ 3350	---	---

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	MODER	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	0.2%	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG

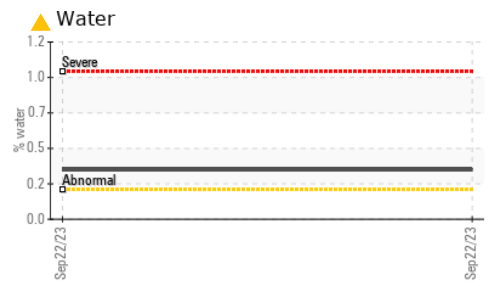
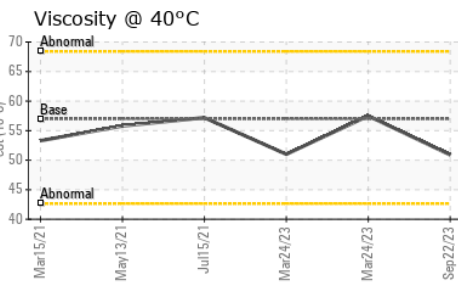
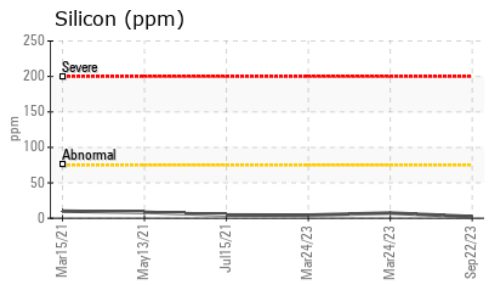
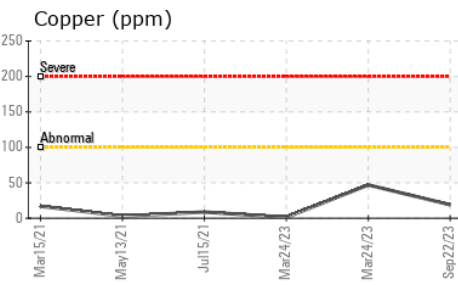
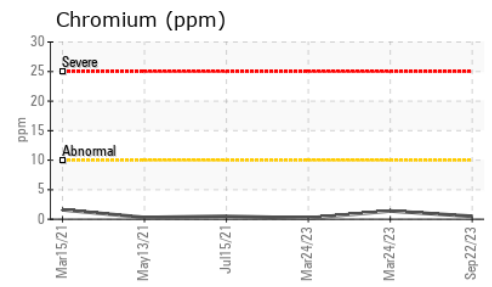
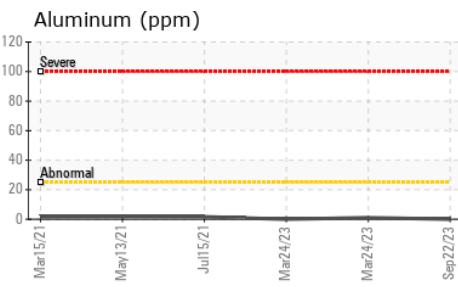
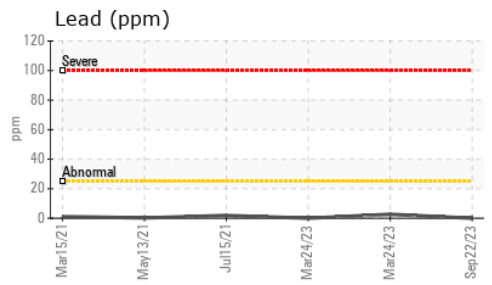
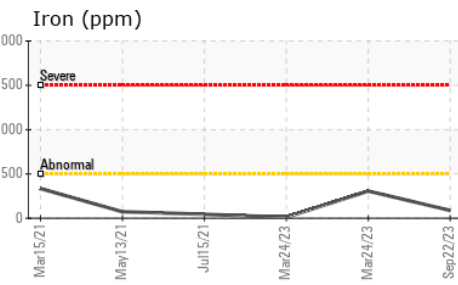
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	57.0	50.9	57.5	51.0

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0120717 **Received** : 02 Oct 2023
Lab Number : 05966607 **Diagnosed** : 03 Oct 2023
Unique Number : 10673158 **Diagnostician** : Sean Felton
Test Package : MOBCE (Additional Tests: KF, PQ)

JRE - BURKEVILLE
 510 WEST COLONIAL DR
 BURKEVILLE, VA
 US 23922
 Contact: BRANDON BOLLING
 bbolling@jamesriverequipment.com
 T: (434)767-5578
 F: (434)767-3774

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)