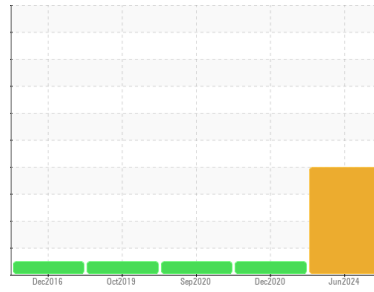


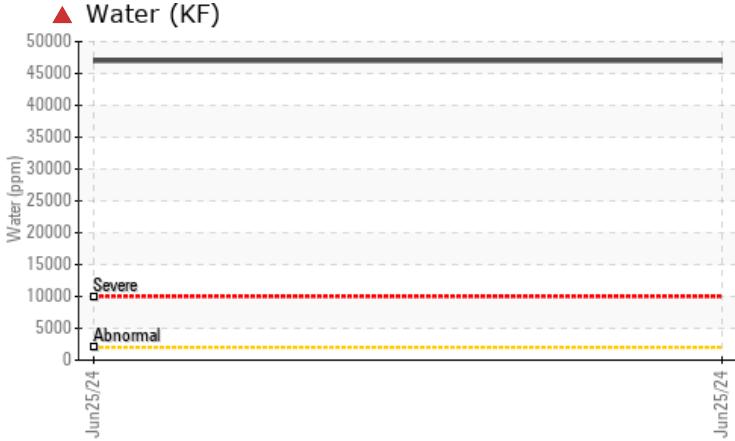
PROBLEM SUMMARY

Machine Id
JOHN DEERE 948L 1DW948LXJGF674846
 Component
Rear Differential
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (28 GAL)

Sample Rating Trend



COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	NORMAL	NORMAL
Water	%	ASTM D6304	>.2	▲ 4.70	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 47000	---	---
Emulsified Water	scalar	*Visual	>.2	▲ 0.2%	NEG	NEG

Customer Id: JAMASH
 Sample No.: JR0212104
 Lab Number: 06221558
 Test Package: CONST



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

Action	Status	Date	Done By	Description
Resample	---	---	?	We recommend an early resample to monitor this condition.
Check Water Access	---	---	?	We advise that you check for the source of water entry.

HISTORICAL DIAGNOSIS

NORMAL



04 Dec 2020 Diag: Don Baldrige

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



NORMAL



23 Sep 2020 Diag: Don Baldrige

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



NORMAL



30 Oct 2019 Diag: Doug Bogart

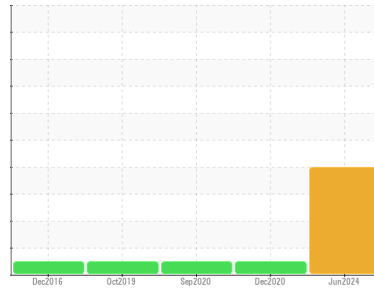
Resample at the next service interval to monitor. Please note that this is a corrected copy for data entry updates. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

view report





Machine Id
JOHN DEERE 948L 1DW948LXJGF674846
 Component
Rear Differential
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (28 GAL)


DIAGNOSIS
▲ Recommendation

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

▲ Contamination

Appearance is milky. There is a high concentration of water present in the oil.

Fluid Condition

The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		JR0212104	JR0067670	JR0060250
Sample Date	Client Info		25 Jun 2024	04 Dec 2020	23 Sep 2020
Machine Age	hrs	Client Info	9500	1496	4506
Oil Age	hrs	Client Info	0	1496	506
Oil Changed	Client Info		Changed	Not Changd	Not Changd
Sample Status			SEVERE	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184		51	19	20
Iron	ppm	ASTM D5185m >500	99	21	26
Chromium	ppm	ASTM D5185m >10	0	<1	<1
Nickel	ppm	ASTM D5185m >10	0	0	0
Titanium	ppm	ASTM D5185m	<1	<1	<1
Silver	ppm	ASTM D5185m	0	<1	1
Aluminum	ppm	ASTM D5185m >25	19	<1	<1
Lead	ppm	ASTM D5185m >25	3	<1	1
Copper	ppm	ASTM D5185m >100	6	2	2
Tin	ppm	ASTM D5185m >10	3	<1	<1
Antimony	ppm	ASTM D5185m >5	---	0	0
Vanadium	ppm	ASTM D5185m	0	<1	0
Cadmium	ppm	ASTM D5185m	0	0	<1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 6	27	3	<1
Barium	ppm	ASTM D5185m 0	0	0	0
Molybdenum	ppm	ASTM D5185m 0	1	<1	<1
Manganese	ppm	ASTM D5185m	1	<1	<1
Magnesium	ppm	ASTM D5185m 145	98	105	111
Calcium	ppm	ASTM D5185m 3570	3414	3384	3694
Phosphorus	ppm	ASTM D5185m 1290	1062	970	1040
Zinc	ppm	ASTM D5185m 1640	1310	1210	1280
Sulfur	ppm	ASTM D5185m	4640	2944	3177

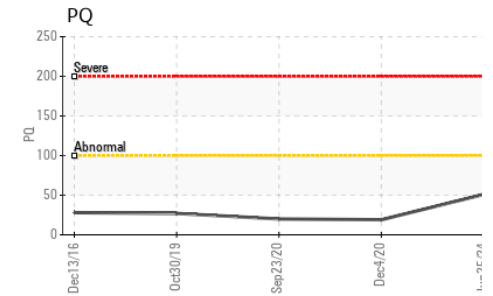
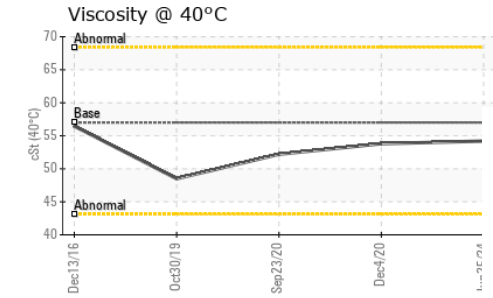
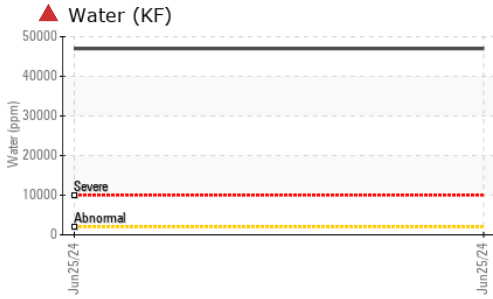
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	42	6	4
Sodium	ppm	ASTM D5185m	1	2	1
Potassium	ppm	ASTM D5185m >20	4	<1	1
Water	%	ASTM D6304 >.2	▲ 4.70	---	---
ppm Water	ppm	ASTM D6304 >2000	▲ 47000	---	---

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	MODER	NONE	NONE
Debris	scalar	*Visual NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual NONE	NONE	NONE	NONE
Appearance	scalar	*Visual NORML	● MILKY	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

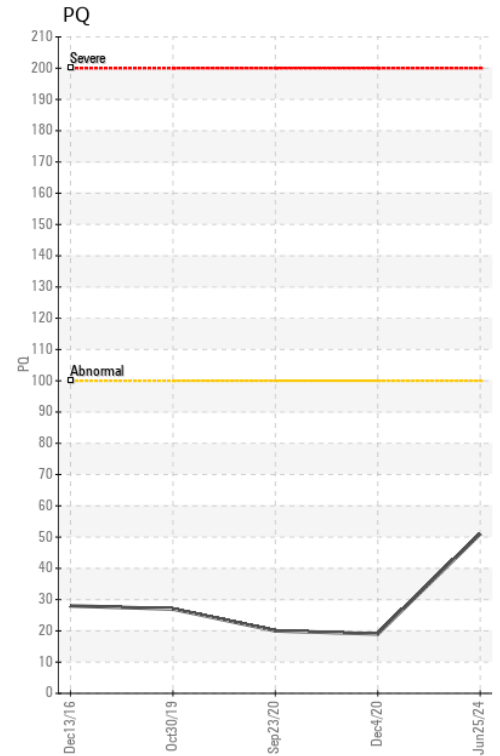
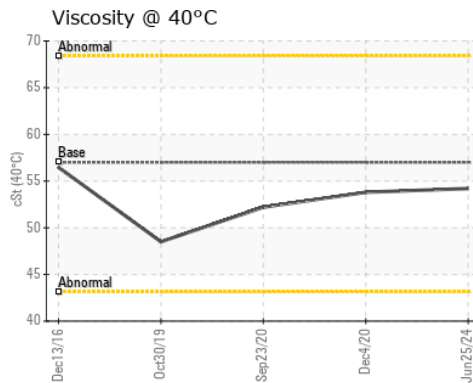
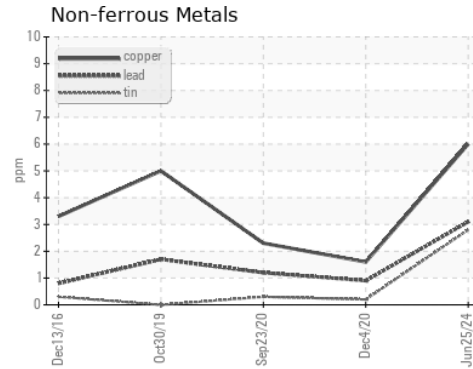
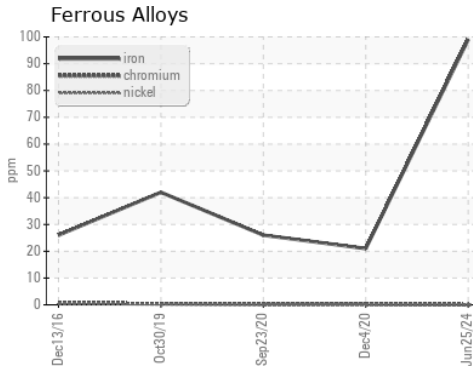


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 57.0	54.2	53.8	52.2

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0212104 **Received** : 26 Jun 2024
Lab Number : 06221558 **Tested** : 27 Jun 2024
Unique Number : 11099755 **Diagnosed** : 28 Jun 2024 - Don Baldrige
Test Package : CONST (Additional Tests: KF, PQ)

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)

JRE - ASHLAND
 11047 LEADBETTER RD
 ASHLAND, VA
 US 23005
 Contact: DAVID ZIEG
 dzieg@jamesriverequipment.com
 T: (804)798-6001
 F: (804)798-0292