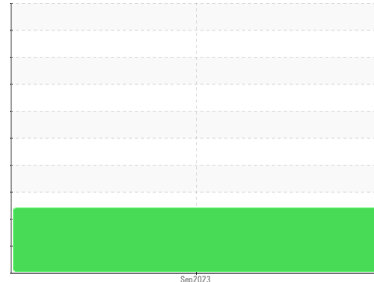


PROBLEM SUMMARY

Sample Rating Trend



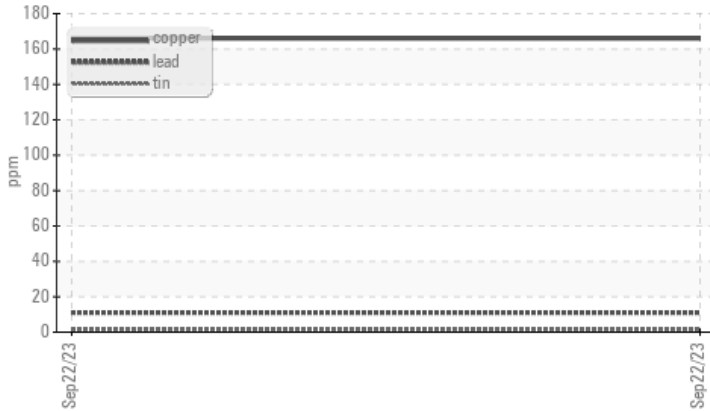
WEAR



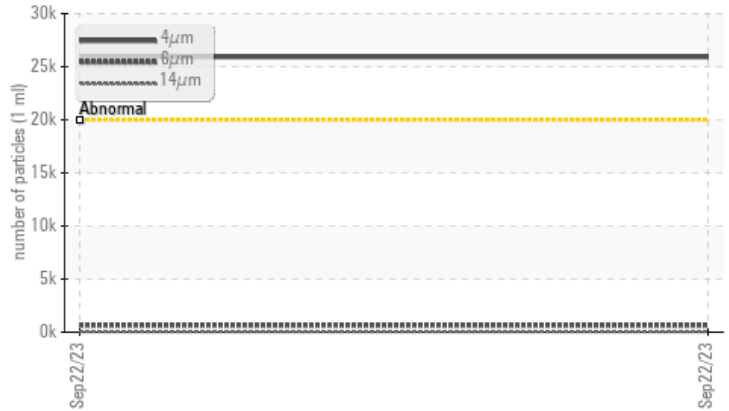
Machine Id
JOHN DEERE 9770 743390 (S/N 1H09770SAB0743390)
 Component
Hydrostatic
 Fluid
NOT GIVEN (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Non-ferrous Metals



▲ Particle Trend



RECOMMENDATION

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Lead	ppm	ASTM D5185m	>11	▲ 11	---	---
Copper	ppm	ASTM D5185m	>41	▲ 166	---	---
Particles >4µm		ASTM D7647	>20000	▲ 25917	---	---
Oil Cleanliness		ISO 4406 (c)	>21/19/16	▲ 22/17/13	---	---

Customer Id: JAMMONJRE
 Sample No.: JR0151022
 Lab Number: 05961175
 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.

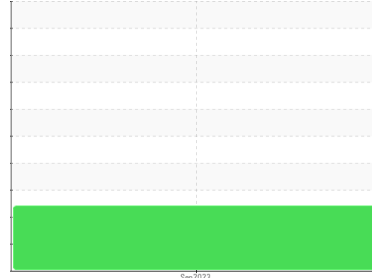
HISTORICAL DIAGNOSIS

OIL ANALYSIS REPORT

Sample Rating Trend

WEAR

 Machine Id
JOHN DEERE 9770 743390 (S/N 1H09770SAB0743390)

 Component
Hydrostatic
 Fluid
NOT GIVEN (--- GAL)

DIAGNOSIS
▲ Recommendation

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

▲ Wear

Bearing and/or bushing wear is indicated.

▲ Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			JR0151022	---	---
Sample Date	Client Info			22 Sep 2023	---	---
Machine Age	hrs	Client Info		4769	---	---
Oil Age	hrs	Client Info		0	---	---
Oil Changed	Client Info			N/A	---	---
Sample Status				ABNORMAL	---	---

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		16	---	---
Iron	ppm	ASTM D5185m	>31	12	---	---
Chromium	ppm	ASTM D5185m	>9	<1	---	---
Nickel	ppm	ASTM D5185m	>5	<1	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>10	0	---	---
Lead	ppm	ASTM D5185m	>11	▲ 11	---	---
Copper	ppm	ASTM D5185m	>41	▲ 166	---	---
Tin	ppm	ASTM D5185m	>5	1	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
Cadmium	ppm	ASTM D5185m		0	---	---

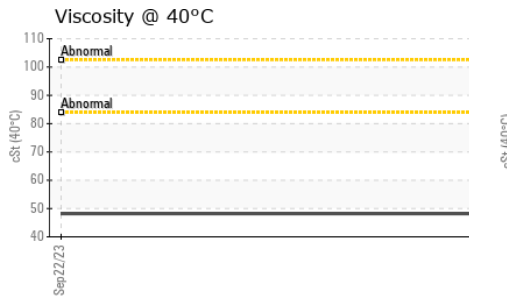
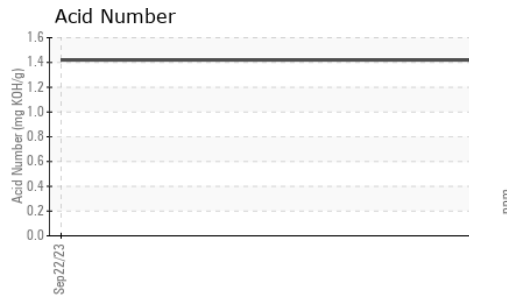
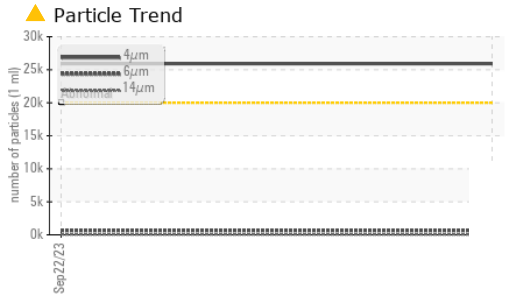
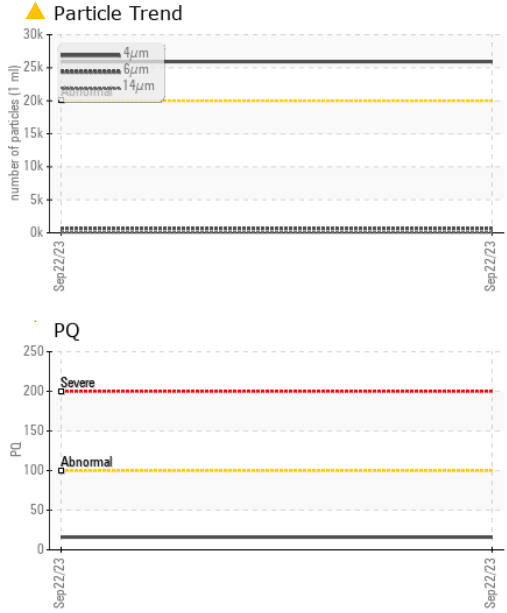
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		1	---	---
Manganese	ppm	ASTM D5185m		3	---	---
Magnesium	ppm	ASTM D5185m		86	---	---
Calcium	ppm	ASTM D5185m		2906	---	---
Phosphorus	ppm	ASTM D5185m		913	---	---
Zinc	ppm	ASTM D5185m		1196	---	---
Sulfur	ppm	ASTM D5185m		3513	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>31	5	---	---
Sodium	ppm	ASTM D5185m	>21	2	---	---
Potassium	ppm	ASTM D5185m	>20	5	---	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	▲ 25917	---	---
Particles >6µm		ASTM D7647	>5000	649	---	---
Particles >14µm		ASTM D7647	>640	49	---	---
Particles >21µm		ASTM D7647	>160	15	---	---
Particles >38µm		ASTM D7647	>40	1	---	---
Particles >71µm		ASTM D7647	>10	0	---	---
Oil Cleanliness		ISO 4406 (c)	>21/19/16	▲ 22/17/13	---	---



FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.42	---	---

OIL ANALYSIS REPORT

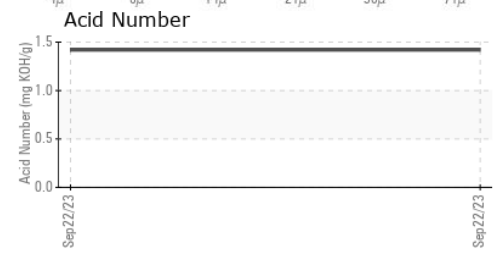
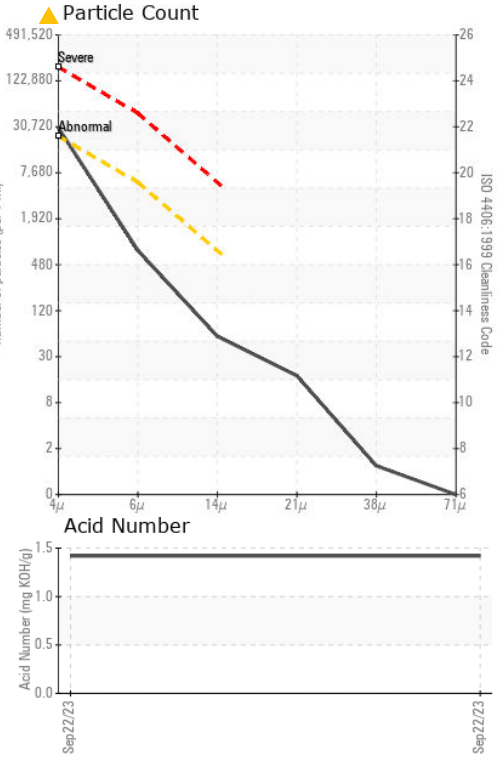
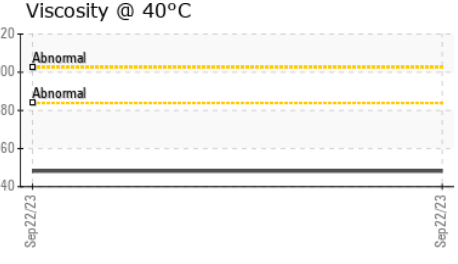
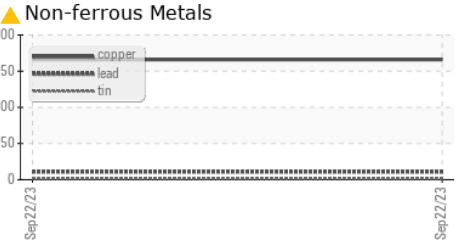
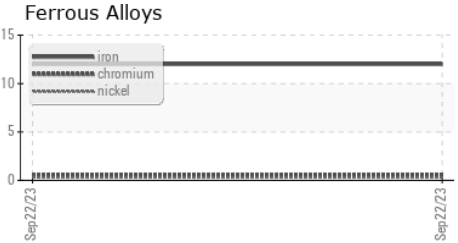


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	48.2	---	---

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. : JR0151022 **Received** : 26 Sep 2023
Lab Number : 05961175 **Diagnosed** : 27 Sep 2023
Unique Number : 10662388 **Diagnostician** : Don Baldrige
Test Package : CONST (Additional Tests: PQ, PrtCount)

JRE - MONROE
 2112 MORGAN MILL ROAD
 MONROE, NC
 US 28110
 Contact: MONROE SHOP
 Steve.Drugan@jamesriverequipment.com
 T:
 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)