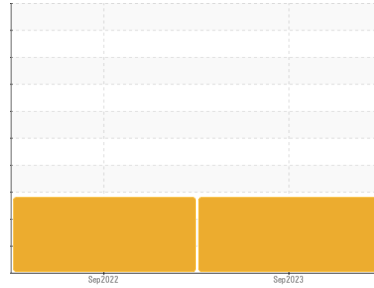


PROBLEM SUMMARY

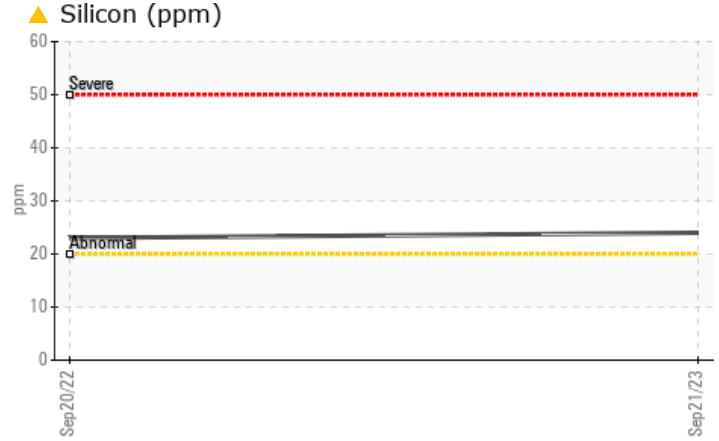
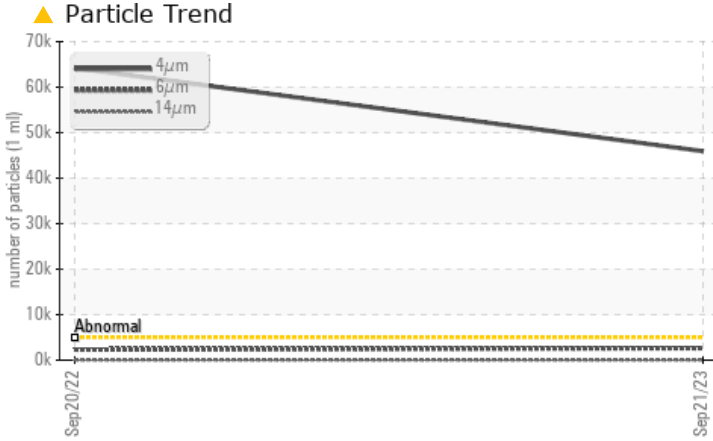
Sample Rating Trend

DIRT

Area
[W19832 KITE]
 Machine Id
JOHN DEERE 1025R 1LV1025RELM813202
 Component
Hydraulic System
 Fluid
TDH FLUID SAE 70W80 (--- 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	ABNORMAL	---
Silicon	ppm	ASTM D5185m	>20	▲ 24	▲ 23	---
Particles >4µm		ASTM D7647	>5000	▲ 45922	▲ 64194	---
Particles >6µm		ASTM D7647	>1300	▲ 2634	▲ 2315	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 23/19/13	▲ 23/18/13	---

Customer Id: JAMBUR
 Sample No.: JR0159167
 Lab Number: 05962841
 Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Doug Bogart +1 (800)237-1369 x4016
dougb@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

20 Sep 2022 Diag: Don Baldrige

DIRT



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

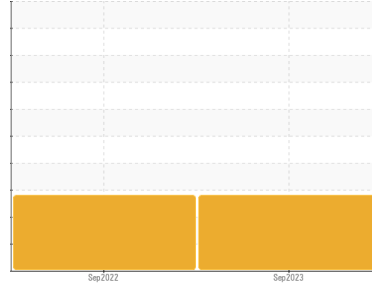


OIL ANALYSIS REPORT

Sample Rating Trend

DIRT

Area
[W19832 KITE]
 Machine Id
JOHN DEERE 1025R 1LV1025RELM813202
 Component
Hydraulic System
 Fluid
TDH FLUID SAE 70W80 (--- 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 high amount of silt (particulates < 14 microns in size) present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION	method	limit/base	current	history1	history2
Sample Number	Client Info		JR0159167	JR0120719	---
Sample Date	Client Info		21 Sep 2023	20 Sep 2022	---
Machine Age	hrs	Client Info	65	48	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		Not Chngd	N/A	---
Sample Status			ABNORMAL	ABNORMAL	---

WEAR METALS	method	limit/base	current	history1	history2
PQ	ASTM D8184		17	9	---
Iron	ppm	ASTM D5185m >20	17	13	---
Chromium	ppm	ASTM D5185m >10	<1	<1	---
Nickel	ppm	ASTM D5185m >10	0	0	---
Titanium	ppm	ASTM D5185m	<1	0	---
Silver	ppm	ASTM D5185m	0	0	---
Aluminum	ppm	ASTM D5185m >10	1	2	---
Lead	ppm	ASTM D5185m >10	2	1	---
Copper	ppm	ASTM D5185m >75	27	18	---
Tin	ppm	ASTM D5185m >10	<1	<1	---
Vanadium	ppm	ASTM D5185m	<1	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

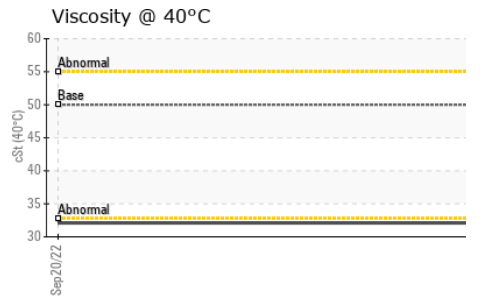
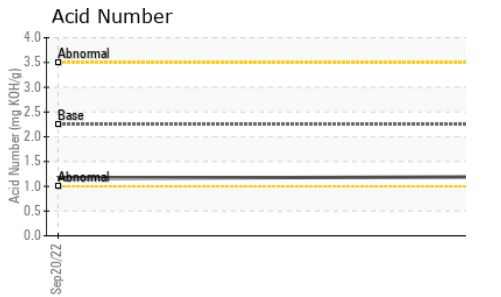
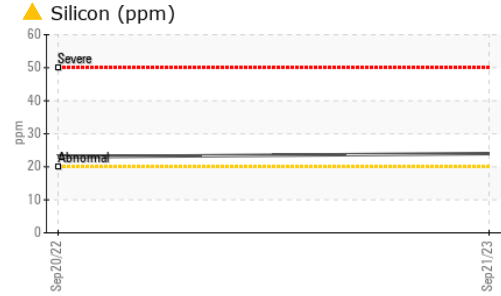
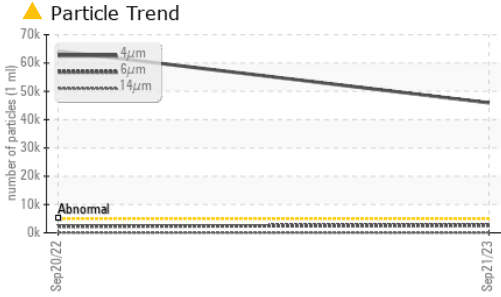
ADDITIVES	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 10	4	5	---
Barium	ppm	ASTM D5185m 10	0	4	---
Molybdenum	ppm	ASTM D5185m 10	<1	<1	---
Manganese	ppm	ASTM D5185m	2	1	---
Magnesium	ppm	ASTM D5185m 100	100	98	---
Calcium	ppm	ASTM D5185m 3500	3329	3532	---
Phosphorus	ppm	ASTM D5185m 1150	987	983	---
Zinc	ppm	ASTM D5185m 1150	1237	1183	---
Sulfur	ppm	ASTM D5185m 5000	3496	3831	---

CONTAMINANTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >20	▲ 24	▲ 23	---
Sodium	ppm	ASTM D5185m	4	3	---
Potassium	ppm	ASTM D5185m >20	2	0	---

FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	▲ 45922	▲ 64194	---
Particles >6µm	ASTM D7647	>1300	▲ 2634	▲ 2315	---
Particles >14µm	ASTM D7647	>160	49	51	---
Particles >21µm	ASTM D7647	>40	12	14	---
Particles >38µm	ASTM D7647	>10	2	2	---
Particles >71µm	ASTM D7647	>3	0	0	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 23/19/13	▲ 23/18/13	---

FLUID DEGRADATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 2.25	1.19	1.16	---

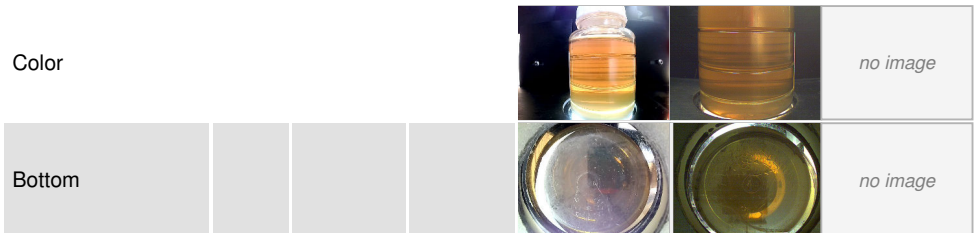
OIL ANALYSIS REPORT



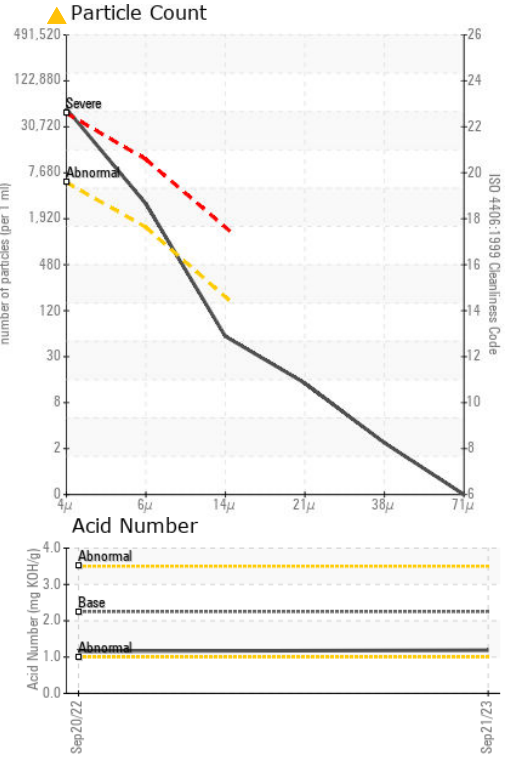
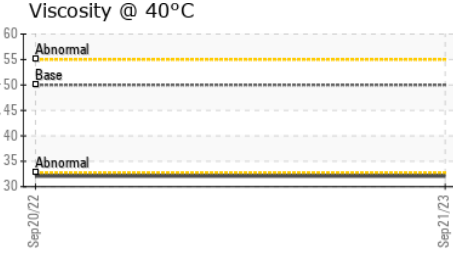
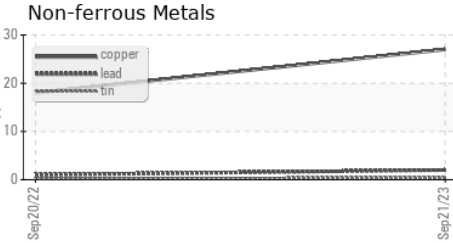
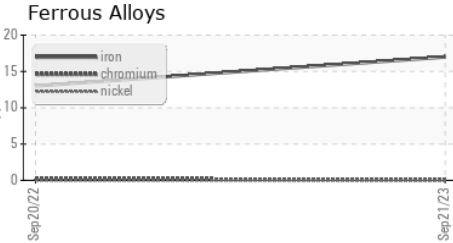
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*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 50	32.1	32.1	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0159167 **Received** : 27 Sep 2023
Lab Number : **05962841** **Diagnosed** : 28 Sep 2023
Unique Number : 10669392 **Diagnostician** : Doug Bogart
Test Package : CONST (Additional Tests: 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)