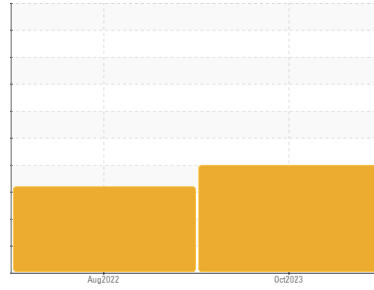


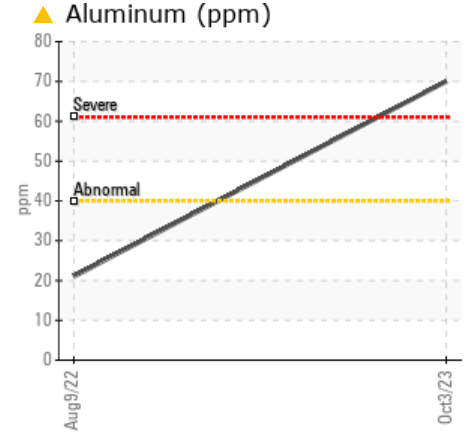
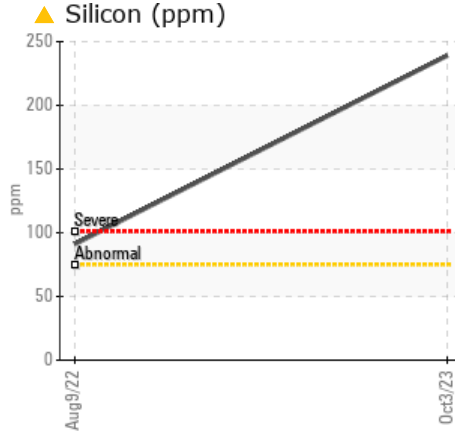
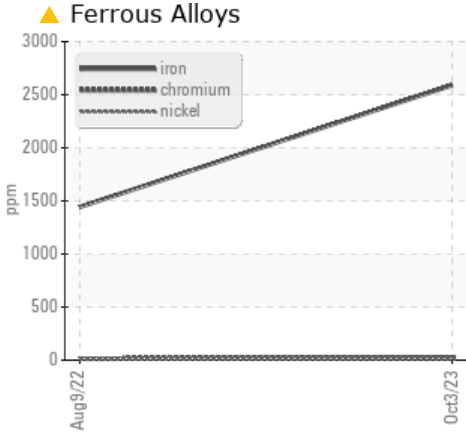
PROBLEM SUMMARY

Sample Rating Trend



Area
[W47006]
 Machine Id
JOHN DEERE 323E 1T0323EKTJJ328397
 Component
Right Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	ABNORMAL	---
Iron	ppm	ASTM D5185m	>750	▲ 2590	▲ 1443	---
Chromium	ppm	ASTM D5185m	>9	▲ 24	▲ 13	---
Aluminum	ppm	ASTM D5185m	>40	▲ 70	21	---
Silicon	ppm	ASTM D5185m	>75	▲ 239	▲ 91	---

Customer Id: JAMASH
 Sample No.: JR0179331
 Lab Number: 05969189
 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
Check Dirt Access	---	---	?	We advise that you check all areas where dirt can enter the system.

HISTORICAL DIAGNOSIS

09 Aug 2022 Diag: Don Baldrige

DIRT



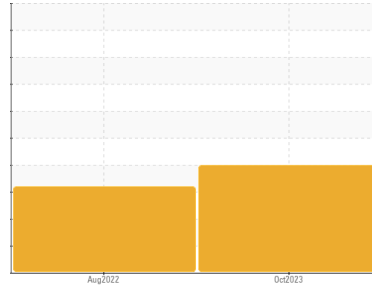
The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.

view report



OIL ANALYSIS REPORT

Sample Rating Trend



DIRT



Area
[W47006]
Machine Id
JOHN DEERE 323E 1T0323EKTJJ328397
Component
Right Final Drive
Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

DIAGNOSIS

▲ Recommendation

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

▲ Wear

Gear wear is indicated.

▲ Contamination

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

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		JR0179331	JR0124003	---
Sample Date	Client Info		03 Oct 2023	09 Aug 2022	---
Machine Age	hrs	Client Info	824	362	---
Oil Age	hrs	Client Info	824	362	---
Oil Changed	Client Info		Not Chngd	Changed	---
Sample Status			ABNORMAL	ABNORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184	>1250	501	83	---
Iron	ppm	ASTM D5185m	>750	▲ 2590	▲ 1443
Chromium	ppm	ASTM D5185m	>9	▲ 24	▲ 13
Nickel	ppm	ASTM D5185m	>10	11	8
Titanium	ppm	ASTM D5185m		4	2
Silver	ppm	ASTM D5185m		0	<1
Aluminum	ppm	ASTM D5185m	>40	▲ 70	21
Lead	ppm	ASTM D5185m	>15	0	<1
Copper	ppm	ASTM D5185m	>40	2	2
Tin	ppm	ASTM D5185m	>10	0	<1
Vanadium	ppm	ASTM D5185m		<1	<1
Cadmium	ppm	ASTM D5185m		<1	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		28	89
Barium	ppm	ASTM D5185m		10	59
Molybdenum	ppm	ASTM D5185m		3	2
Manganese	ppm	ASTM D5185m		19	14
Magnesium	ppm	ASTM D5185m		8	28
Calcium	ppm	ASTM D5185m		16	31
Phosphorus	ppm	ASTM D5185m		257	813
Zinc	ppm	ASTM D5185m		0	30
Sulfur	ppm	ASTM D5185m		20430	25056

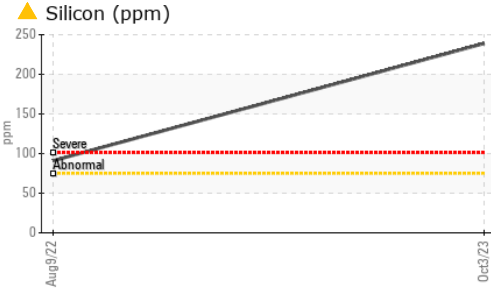
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	▲ 239	▲ 91
Sodium	ppm	ASTM D5185m	>51	5	15
Potassium	ppm	ASTM D5185m	>20	14	30

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

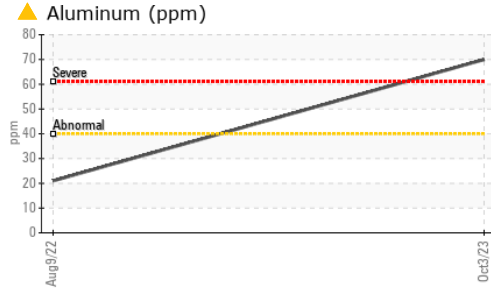
OIL ANALYSIS REPORT



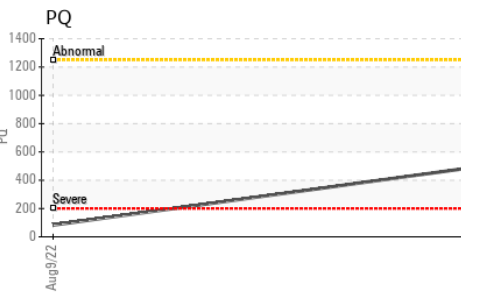
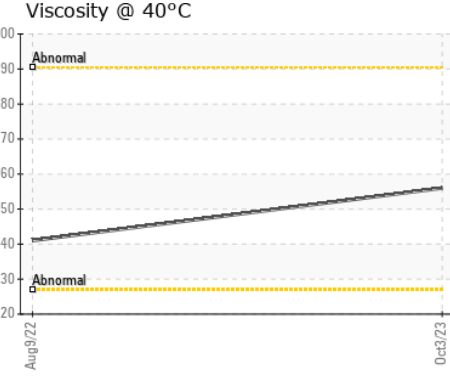
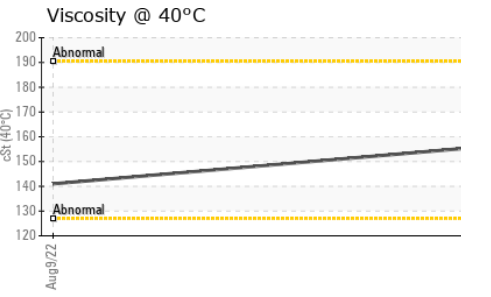
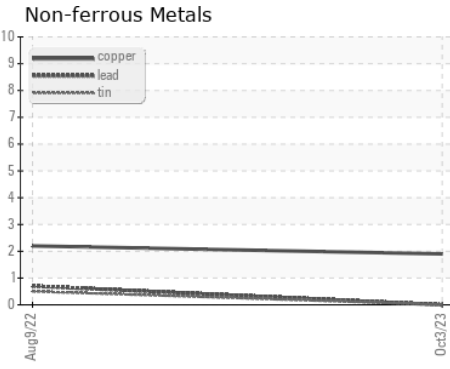
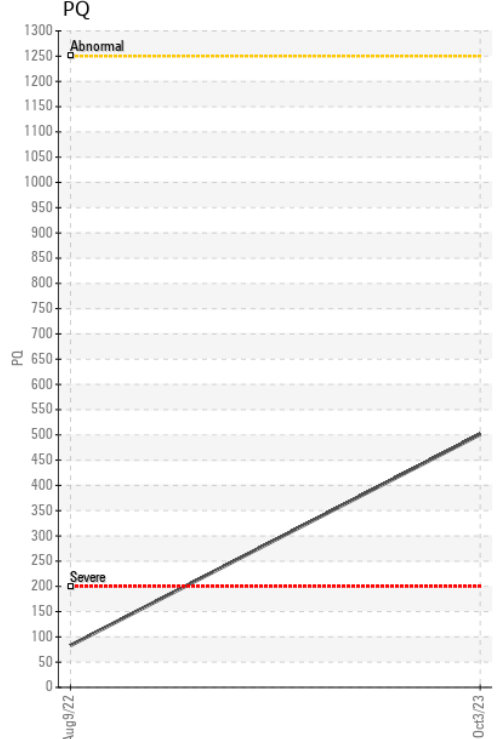
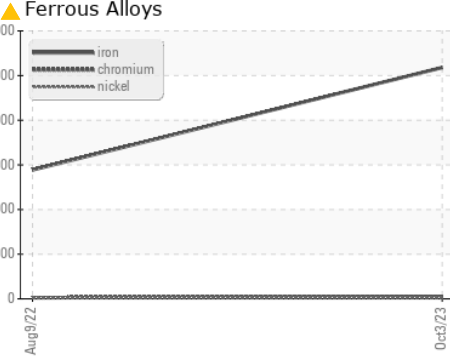
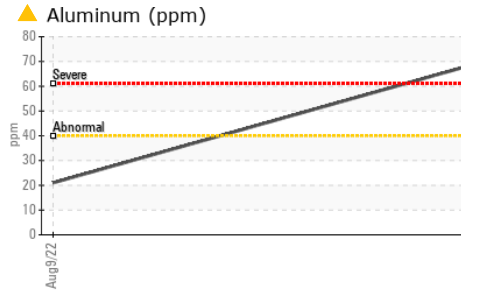
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	156	141	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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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. : JR0179331 **Received** : 04 Oct 2023
Lab Number : 05969189 **Diagnosed** : 06 Oct 2023
Unique Number : 10675740 **Diagnostician** : Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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

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)