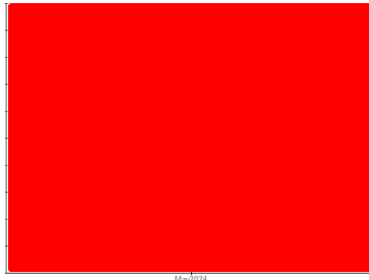


PROBLEM SUMMARY

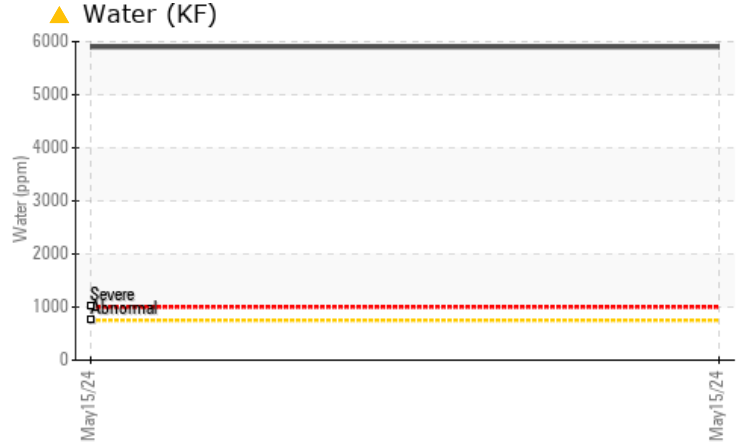
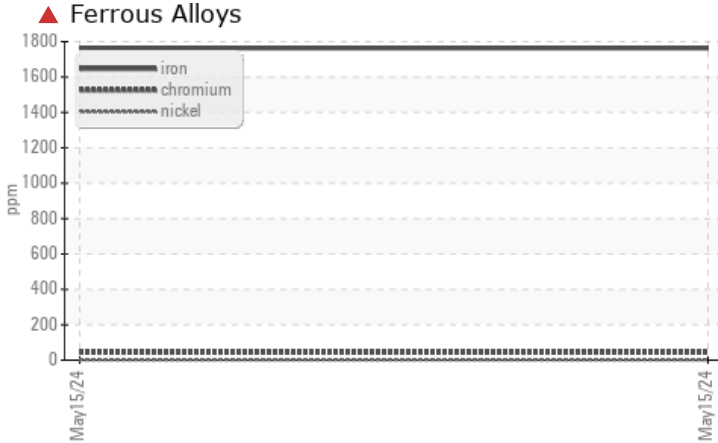
Sample Rating Trend

WEAR



Area
[W51858 SEG 4]
 Machine Id
JOHN DEERE 17D 1FF017DXKCK221701
 Component
Left Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

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 advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status	SEVERE	---	---
Iron ppm ASTM D5185m >750	▲ 1763	---	---
Chromium ppm ASTM D5185m >9	▲ 43	---	---
Water % ASTM D6304 >0.075	▲ 0.590	---	---
ppm Water ppm ASTM D6304 >750	▲ 5900	---	---
Emulsified Water scalar *Visual >0.075	▲ 0.2%	---	---

Customer Id: JAMASH
 Sample No.: JR0211569
 Lab Number: 06183159
 Test Package: CONST



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

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

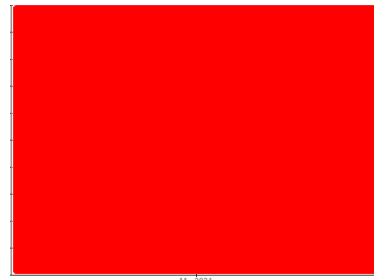
HISTORICAL DIAGNOSIS

OIL ANALYSIS REPORT

Sample Rating Trend

WEAR


Area
[W51858 SEG 4]
 Machine Id
JOHN DEERE 17D 1FF017DXKCK221701
 Component
Left Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (--- 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 advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

▲ Wear

Gear wear is indicated.

▲ Contamination

There is a moderate concentration of water present in the oil.

Fluid Condition

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			JR0211569	---	---
Sample Date	Client Info			15 May 2024	---	---
Machine Age	hrs	Client Info		6464	---	---
Oil Age	hrs	Client Info		0	---	---
Oil Changed	Client Info			Changed	---	---
Sample Status				SEVERE	---	---

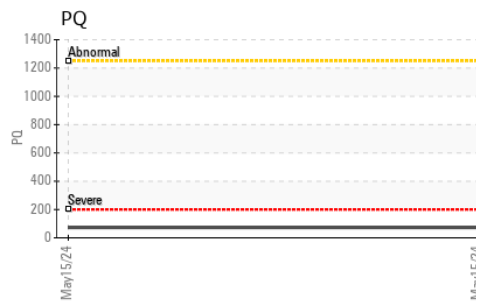
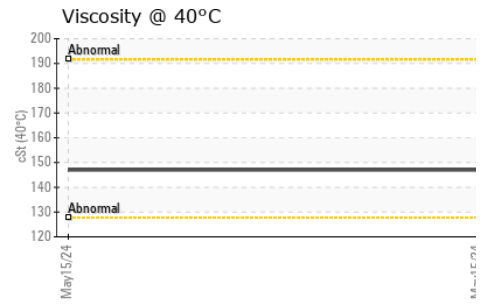
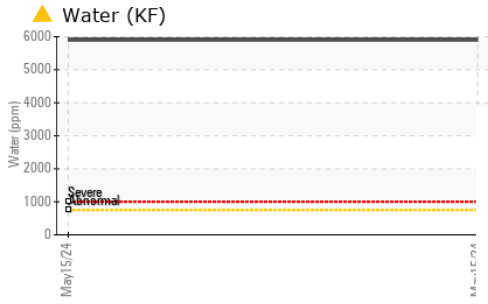
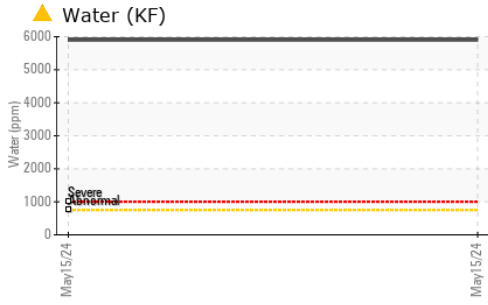
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>1250	73	---	---
Iron	ppm	ASTM D5185m	>750	▲ 1763	---	---
Chromium	ppm	ASTM D5185m	>9	▲ 43	---	---
Nickel	ppm	ASTM D5185m	>10	2	---	---
Titanium	ppm	ASTM D5185m		3	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>40	9	---	---
Lead	ppm	ASTM D5185m	>15	0	---	---
Copper	ppm	ASTM D5185m	>40	5	---	---
Tin	ppm	ASTM D5185m	>10	<1	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
Cadmium	ppm	ASTM D5185m		0	---	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		41	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		5	---	---
Manganese	ppm	ASTM D5185m		14	---	---
Magnesium	ppm	ASTM D5185m		0	---	---
Calcium	ppm	ASTM D5185m		1	---	---
Phosphorus	ppm	ASTM D5185m		1001	---	---
Zinc	ppm	ASTM D5185m		97	---	---
Sulfur	ppm	ASTM D5185m		23518	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	74	---	---
Sodium	ppm	ASTM D5185m	>51	4	---	---
Potassium	ppm	ASTM D5185m	>20	2	---	---
Water	%	ASTM D6304	>0.075	▲ 0.590	---	---
ppm Water	ppm	ASTM D6304	>750	▲ 5900	---	---

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	>0.075	▲ 0.2%	---	---
Free Water	scalar	*Visual		NEG	---	---

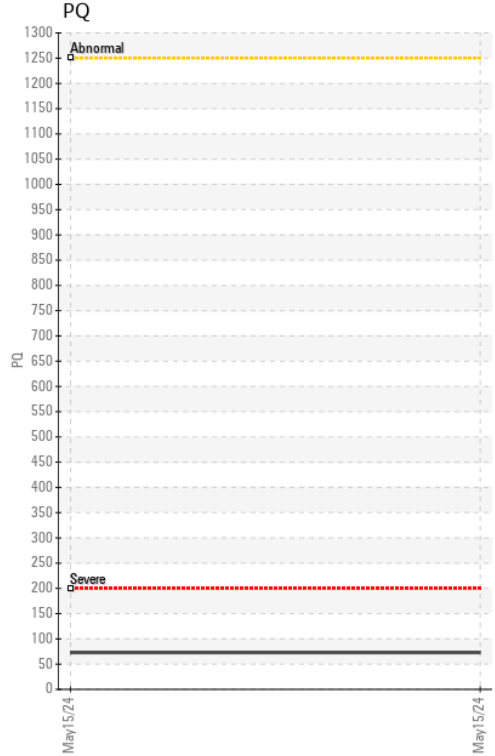
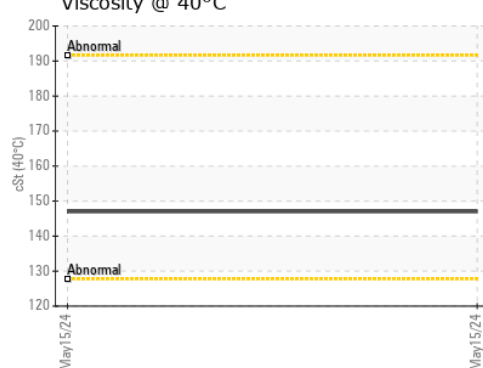
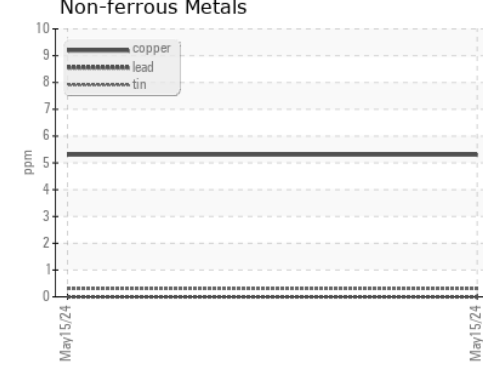
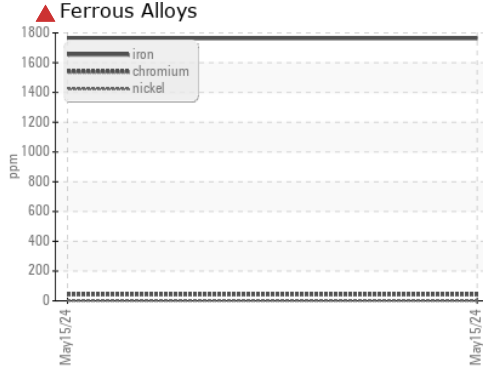
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	147	---	---

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0211569 **Received** : 17 May 2024
Lab Number : **06183159** **Tested** : 20 May 2024
Unique Number : 11034485 **Diagnosed** : 21 May 2024 - Sean Felton
Test Package : CONST (Additional Tests: KF, PQ)

JRE - ASHLAND
 11047 LEADBETTER RD
 ASHLAND, VA
 US 23005

Contact: DAVID ZIEG
 dzieg@jamesriverequipment.com

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)

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