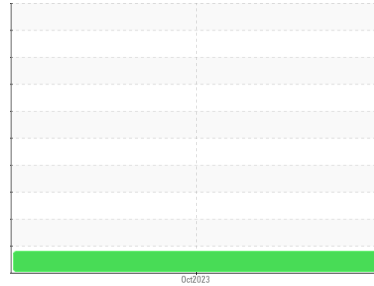




# PROBLEM SUMMARY

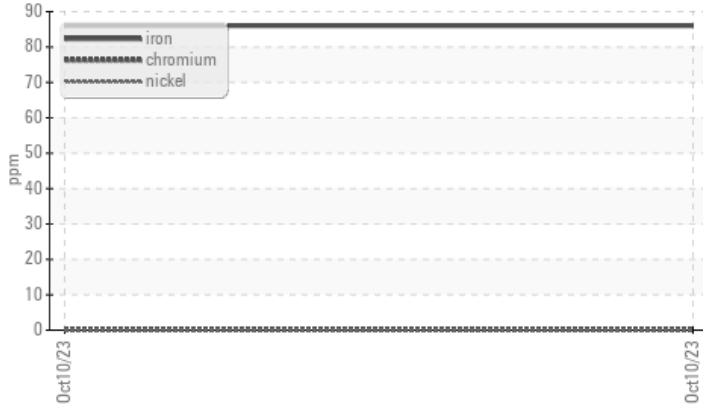
Area  
**Store 2 - Beaver [ro#144027]**  
 Machine Id  
**JOHN DEERE 460E 1DW460ETHKF697818**  
 Component  
**Transmission**  
 Fluid  
**JOHN DEERE HD SynTran (16 GAL)**

Sample Rating Trend



## COMPONENT CONDITION SUMMARY

### ▲ Ferrous Alloys



## RECOMMENDATION

No corrective action is recommended at this time.  
 Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status				<b>ABNORMAL</b>	---	---
Iron	ppm	ASTM D5185m	>61	<b>▲ 86</b>	---	---

**Customer Id:** LESMAROH  
**Sample No.:** LEC0045379  
**Lab Number:** 05978446  
**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](mailto:don.b505@comcast.net)

To change component or sample information:  
 Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

## RECOMMENDED ACTIONS

*There are no recommended actions for this sample.*

## HISTORICAL DIAGNOSIS



# OIL ANALYSIS REPORT

Sample Rating Trend

**WEAR**

Area

**Store 2 - Beaver [ro#144027]**

Machine Id

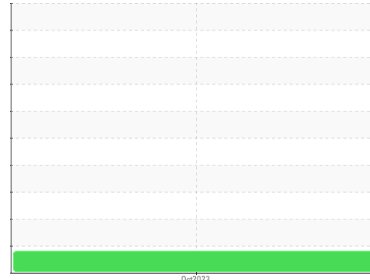
**JOHN DEERE 460E 1DW460ETHKF697818**

Component

**Transmission**

Fluid

**JOHN DEERE HD SynTran (16 GAL)**



## DIAGNOSIS

### ▲ Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

### ▲ Wear

The iron level is abnormal. All other component wear rates are normal.

### Contamination

There is no indication of any contamination in the fluid.

### Fluid Condition

The condition of the fluid is acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>LEC0045379</b>	---	---
Sample Date	Client Info		<b>10 Oct 2023</b>	---	---
Machine Age	hrs	Client Info	<b>7211</b>	---	---
Oil Age	hrs	Client Info	<b>1211</b>	---	---
Oil Changed	Client Info		<b>Not Chngd</b>	---	---
Sample Status			<b>ABNORMAL</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184	>100	<b>25</b>	---	---
Iron	ppm	ASTM D5185m	>61	<b>▲ 86</b>	---
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	---
Nickel	ppm	ASTM D5185m		<b>&lt;1</b>	---
Titanium	ppm	ASTM D5185m		<b>0</b>	---
Silver	ppm	ASTM D5185m		<b>0</b>	---
Aluminum	ppm	ASTM D5185m	>20	<b>0</b>	---
Lead	ppm	ASTM D5185m	>9	<b>&lt;1</b>	---
Copper	ppm	ASTM D5185m	>100	<b>2</b>	---
Tin	ppm	ASTM D5185m	>3	<b>&lt;1</b>	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	168	<b>93</b>	---
Barium	ppm	ASTM D5185m		<b>0</b>	---
Molybdenum	ppm	ASTM D5185m		<b>1</b>	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	---
Magnesium	ppm	ASTM D5185m		<b>10</b>	---
Calcium	ppm	ASTM D5185m	33	<b>120</b>	---
Phosphorus	ppm	ASTM D5185m	330	<b>254</b>	---
Zinc	ppm	ASTM D5185m	0	<b>29</b>	---
Sulfur	ppm	ASTM D5185m	980	<b>2351</b>	---

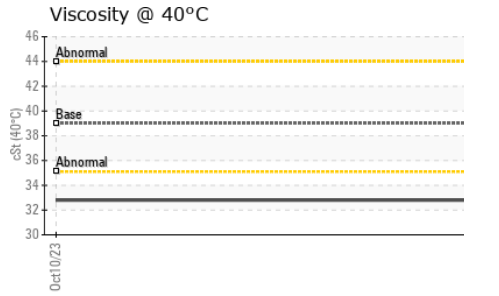
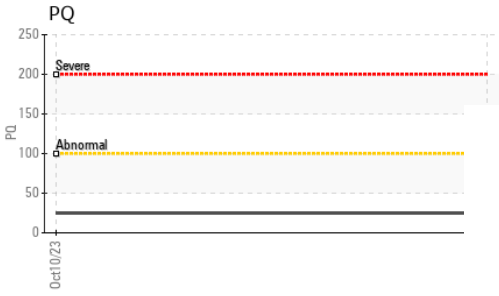
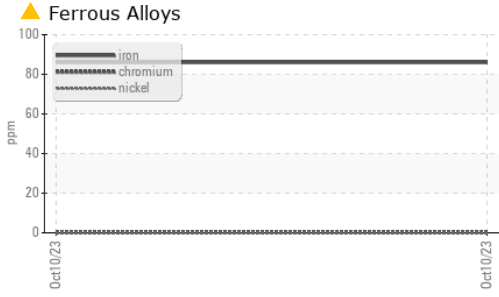
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>21	<b>4</b>	---
Sodium	ppm	ASTM D5185m	>30	<b>&lt;1</b>	---
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	---

## VISUAL

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

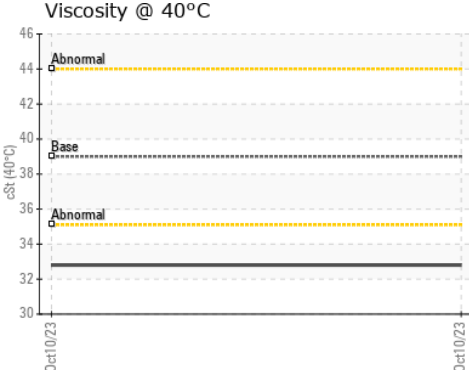
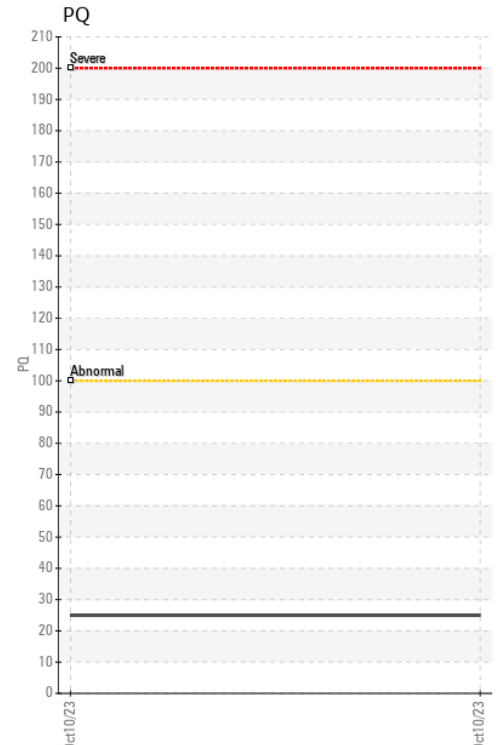
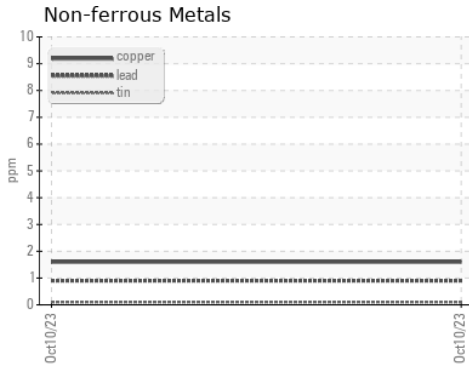
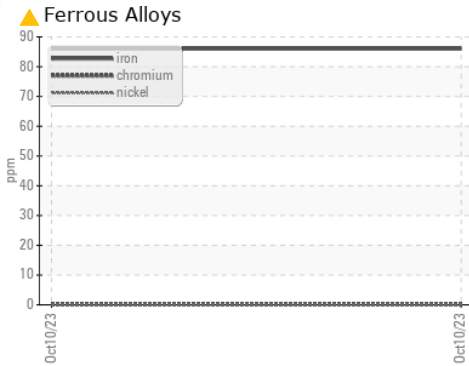
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 39	<b>32.8</b>	---	---

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.** : LEC0045379 **Received** : 13 Oct 2023  
**Lab Number** : 05978446 **Diagnosed** : 17 Oct 2023  
**Unique Number** : 10695741 **Diagnostician** : Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**LESLIE EQUIPMENT COMPANY**  
 105 TENNIS CENTER DR.  
 MARIETTA, OH  
 US 45750-9765  
 Contact: LEANNE KENDALL  
 KendalLeanne@lec1.com  
 T:  
 F: (740)373-5570

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)