



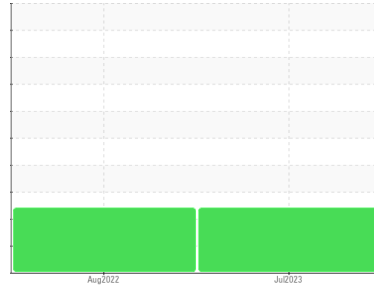
# PROBLEM SUMMARY

Sample Rating Trend

VISCOSITY

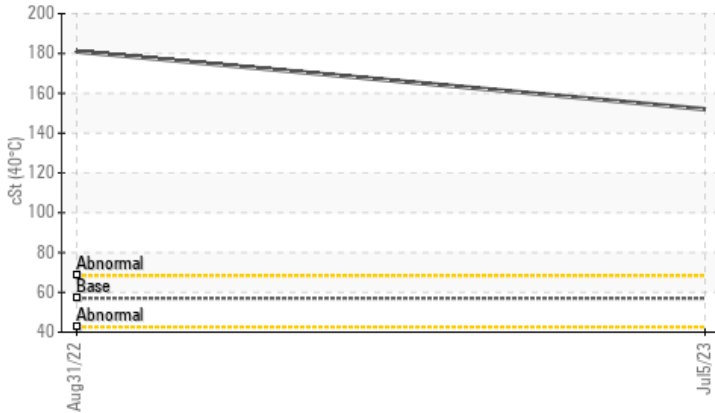


Area  
**Store 8 - Pikeville**  
 Machine Id  
**JOHN DEERE 130G 150-53-01 (S/N 042726)**  
 Component  
**Left Final Drive**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- GAL)**

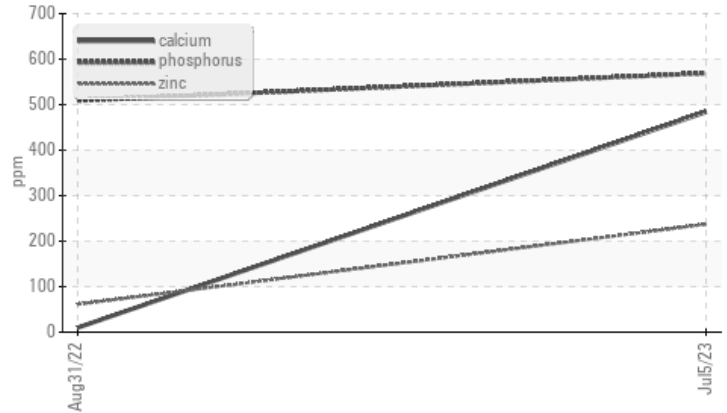


## COMPONENT CONDITION SUMMARY

### ▲ Viscosity @ 40°C



### ▲ Additives



## RECOMMENDATION

Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	ATTENTION	---
Magnesium	ppm	ASTM D5185m	145	▲ 13	▲ <1	---
Calcium	ppm	ASTM D5185m	3570	▲ 484	▲ 10	---
Phosphorus	ppm	ASTM D5185m	1290	▲ 569	▲ 509	---
Zinc	ppm	ASTM D5185m	1640	▲ 237	▲ 61	---
Sulfur	ppm	ASTM D5185m		▲ 15613	▲ 14307	---
Visc @ 40°C	cSt	ASTM D445	57.0	▲ 152	▲ 181	---

Customer Id: PIKPIKFC  
 Sample No.: LEC0032115  
 Lab Number: 05898837  
 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

**31 Aug 2022 Diag: Don Baldrige**

### VISCOSITY



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

view report





# OIL ANALYSIS REPORT

Sample Rating Trend

VISCOSITY



Area  
**Store 8 - Pikeville**  
 Machine Id  
**JOHN DEERE 130G 150-53-01 (S/N 042726)**  
 Component  
**Left Final Drive**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- GAL)**



## DIAGNOSIS

- Recommendation**  
Resample at the next service interval to monitor.
- Wear**  
All component wear rates are normal.
- Contamination**  
There is no indication of any contamination in the oil.
- Fluid Condition**  
The oil viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>LEC0032115</b>	LEC0032176	---
Sample Date	Client Info	<b>05 Jul 2023</b>	31 Aug 2022	---
Machine Age	hrs Client Info	<b>1517</b>	999	---
Oil Age	hrs Client Info	<b>0</b>	0	---
Oil Changed	Client Info	<b>N/A</b>	N/A	---
Sample Status		<b>ATTENTION</b>	ATTENTION	---

## WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184 >1250	<b>128</b>	73	---
Iron	ppm ASTM D5185m >750	<b>160</b>	151	---
Chromium	ppm ASTM D5185m >9	<b>5</b>	4	---
Nickel	ppm ASTM D5185m >10	<b>&lt;1</b>	1	---
Titanium	ppm ASTM D5185m	<b>&lt;1</b>	<1	---
Silver	ppm ASTM D5185m	<b>0</b>	2	---
Aluminum	ppm ASTM D5185m >40	<b>2</b>	2	---
Lead	ppm ASTM D5185m >15	<b>0</b>	0	---
Copper	ppm ASTM D5185m >40	<b>1</b>	1	---
Tin	ppm ASTM D5185m >10	<b>0</b>	1	---
Vanadium	ppm ASTM D5185m	<b>&lt;1</b>	0	---
Cadmium	ppm ASTM D5185m	<b>0</b>	<1	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 6	<b>46</b>	57	---
Barium	ppm ASTM D5185m 0	<b>7</b>	4	---
Molybdenum	ppm ASTM D5185m 0	<b>&lt;1</b>	0	---
Manganese	ppm ASTM D5185m	<b>4</b>	4	---
Magnesium	ppm ASTM D5185m 145	<b>▲ 13</b>	▲ <1	---
Calcium	ppm ASTM D5185m 3570	<b>▲ 484</b>	▲ 10	---
Phosphorus	ppm ASTM D5185m 1290	<b>▲ 569</b>	▲ 509	---
Zinc	ppm ASTM D5185m 1640	<b>▲ 237</b>	▲ 61	---
Sulfur	ppm ASTM D5185m	<b>▲ 15613</b>	▲ 14307	---

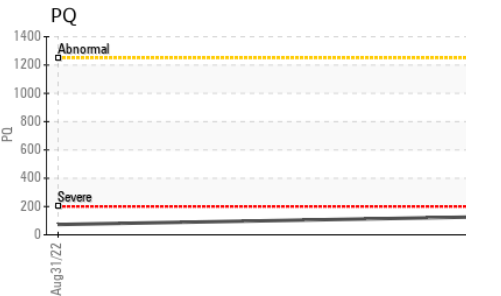
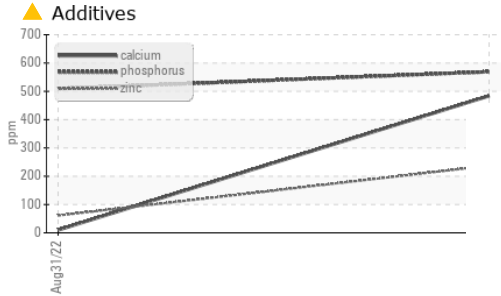
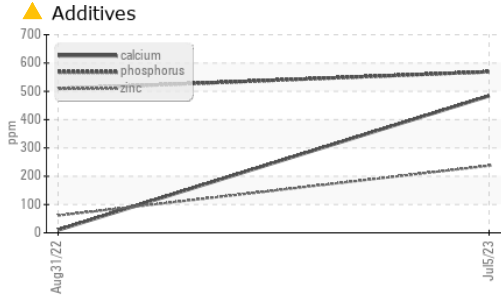
## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >75	<b>22</b>	24	---
Sodium	ppm ASTM D5185m >51	<b>&lt;1</b>	0	---
Potassium	ppm ASTM D5185m >20	<b>5</b>	1	---

## VISUAL

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

# OIL ANALYSIS REPORT



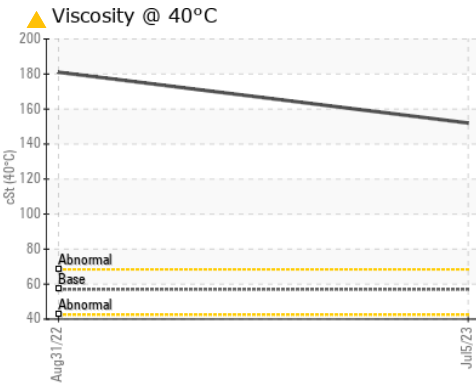
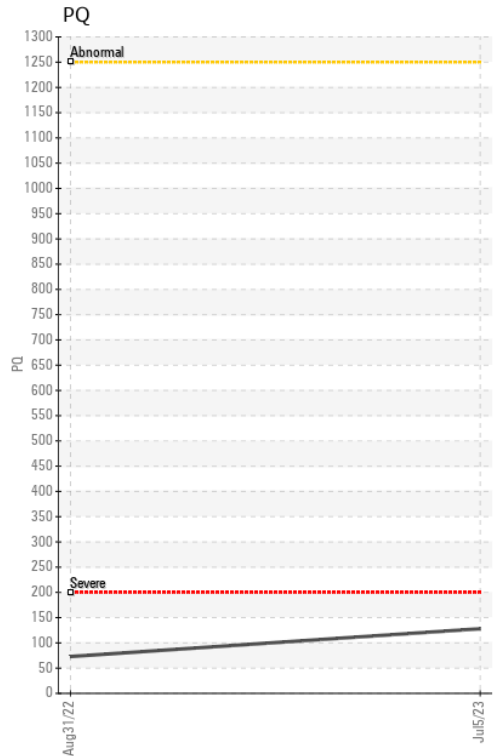
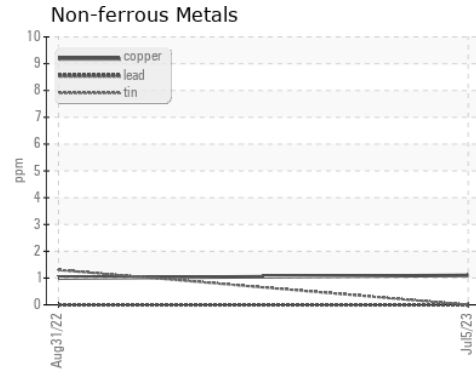
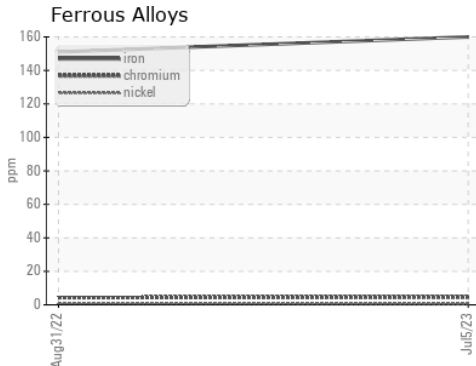
### FLUID PROPERTIES

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	57.0 ▲ 152	▲ 181	---

### SAMPLE IMAGES

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.** : LEC0032115 **Received** : 14 Jul 2023  
**Lab Number** : 05898837 **Diagnosed** : 17 Jul 2023  
**Unique Number** : 10560193 **Diagnostician** : Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**PIKE COUNTY FISCAL COURT**  
 625 FORD MOUNTAIN RD  
 PIKEVILLE, KY  
 US 41501  
 Contact: DARIN WHITT  
 pcfcmg@gmail.com  
 T: (606)631-4629  
 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)