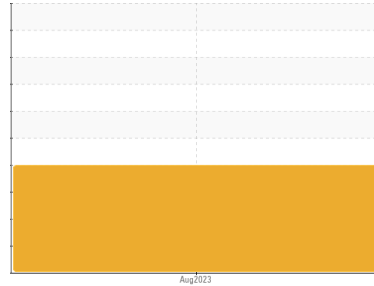


# PROBLEM SUMMARY

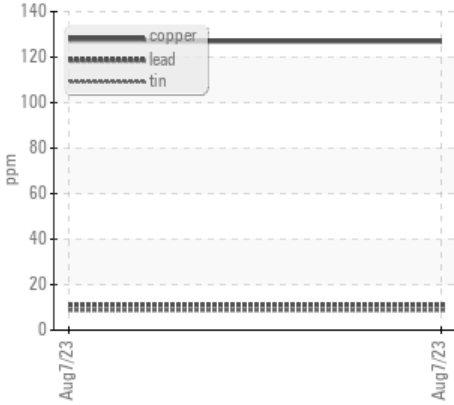
Sample Rating Trend



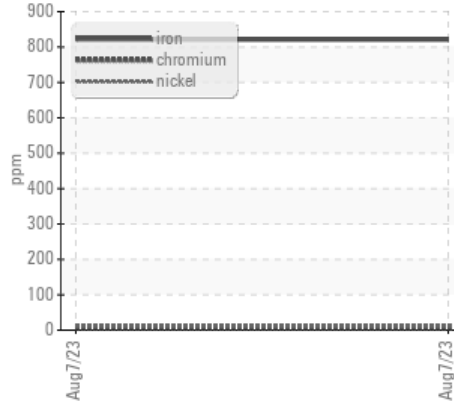
Machine Id  
**26409**  
 Component  
**Differential**  
 Fluid  
**GEAR OIL SAE 75W90 (--- GAL)**

## COMPONENT CONDITION SUMMARY

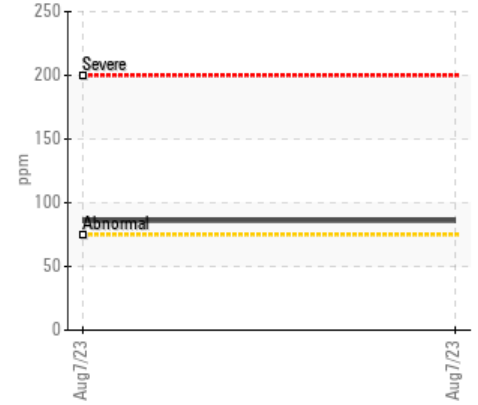
### ▲ Non-ferrous Metals



### ▲ Ferrous Alloys



### ▲ Silicon (ppm)



## 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	>500	▲ <b>821</b>	---	---
Nickel	ppm	ASTM D5185m	>10	▲ <b>11</b>	---	---
Copper	ppm	ASTM D5185m	>100	▲ <b>127</b>	---	---
Silicon	ppm	ASTM D5185m	>75	▲ <b>86</b>	---	---

Customer Id: PERDILSC  
 Sample No.: PCA0102787  
 Lab Number: 05923728  
 Test Package: FLEET



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



Machine Id  
**26409**  
 Component  
**Differential**  
 Fluid  
**GEAR OIL SAE 75W90 (--- GAL)**

## DIAGNOSIS

- ▲ Recommendation**  
 No corrective action is recommended at this time. Resample at the next service interval to monitor.
- ▲ Wear**  
 Gear wear is indicated. Bearing and/or bushing wear is indicated.
- ▲ Contamination**  
 Elemental level of silicon (Si) above normal.
- 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	<b>PCA0102787</b>	---	---
Sample Date	Client Info	<b>07 Aug 2023</b>	---	---
Machine Age	hrs Client Info	<b>707248</b>	---	---
Oil Age	hrs Client Info	<b>707248</b>	---	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>ABNORMAL</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>500	<b>▲ 821</b>	---	---
Chromium ppm ASTM D5185m	>10	<b>7</b>	---	---
Nickel ppm ASTM D5185m	>10	<b>▲ 11</b>	---	---
Titanium ppm ASTM D5185m		<b>&lt;1</b>	---	---
Silver ppm ASTM D5185m		<b>0</b>	---	---
Aluminum ppm ASTM D5185m	>25	<b>7</b>	---	---
Lead ppm ASTM D5185m	>25	<b>11</b>	---	---
Copper ppm ASTM D5185m	>100	<b>▲ 127</b>	---	---
Tin ppm ASTM D5185m	>10	<b>9</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	400	<b>126</b>	---	---
Barium ppm ASTM D5185m	200	<b>2</b>	---	---
Molybdenum ppm ASTM D5185m	12	<b>2</b>	---	---
Manganese ppm ASTM D5185m		<b>19</b>	---	---
Magnesium ppm ASTM D5185m	12	<b>1</b>	---	---
Calcium ppm ASTM D5185m	150	<b>65</b>	---	---
Phosphorus ppm ASTM D5185m	1650	<b>1249</b>	---	---
Zinc ppm ASTM D5185m	125	<b>38</b>	---	---
Sulfur ppm ASTM D5185m	22500	<b>22352</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>75	<b>▲ 86</b>	---	---
Sodium ppm ASTM D5185m		<b>9</b>	---	---
Potassium ppm ASTM D5185m	>20	<b>9</b>	---	---

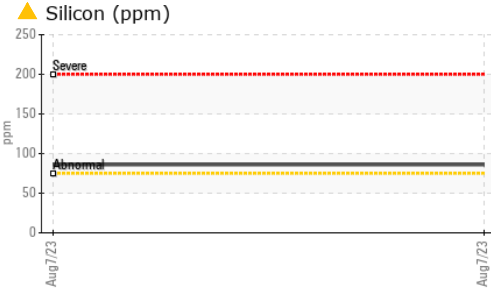
## VISUAL

method	limit/base	current	history1	history2
White Metal scalar *Visual	NONE	<b>NONE</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	>.2	<b>NEG</b>	---	---
Free Water scalar *Visual		<b>NEG</b>	---	---

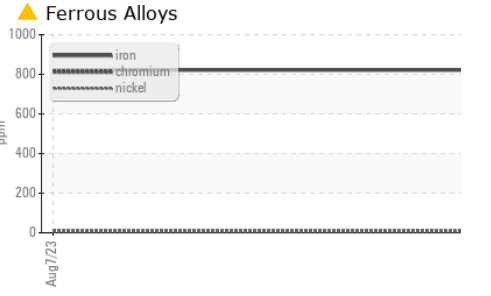
## FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C cSt ASTM D445	109	<b>90.7</b>	---	---

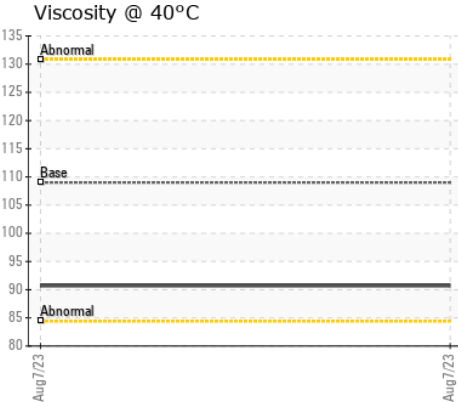
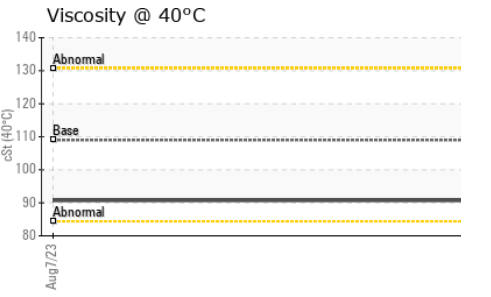
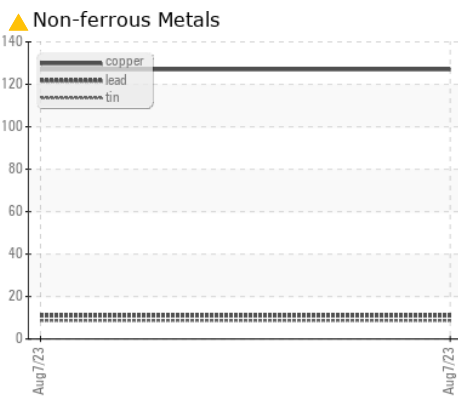
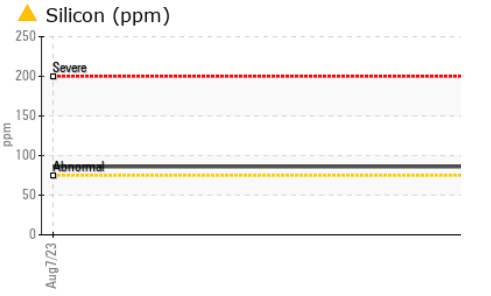
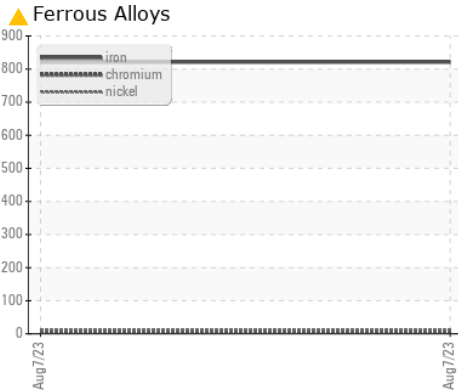
# OIL ANALYSIS REPORT



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



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0102787 **Received** : 14 Aug 2023  
**Lab Number** : **05923728** **Diagnosed** : 15 Aug 2023  
**Unique Number** : 10603675 **Diagnostician** : Don Baldrige  
**Test Package** : FLEET

**PERDUE FARMS - DILLON**  
 2047 HWY 9 WEST  
 DILLON, SC  
 US 29536  
 Contact: KEVIN HOOKS  
 kevin.hooks@perdue.com  
 T: (843)841-8069  
 F: (843)841-8070

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)