



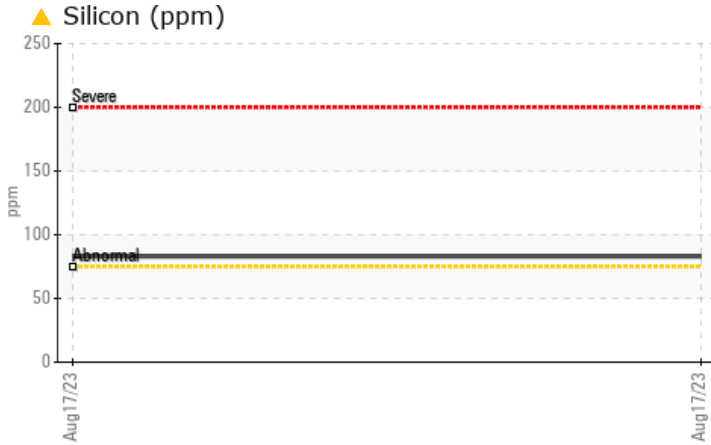
# PROBLEM SUMMARY

Sample Rating Trend



Area  
**FLEET/DILLON**  
 Machine Id  
**2126964 (S/N 4v4nc9eh6nn603212)**  
 Component  
**1 Differential**  
 Fluid  
**GEAR OIL SAE 75W90 (--- GAL)**

## COMPONENT CONDITION SUMMARY



## RECOMMENDATION

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

## PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Silicon	ppm	ASTM D5185m	>75	▲ 83	---	---

Customer Id: PERDILSC  
 Sample No.: PCA0104849  
 Lab Number: 05939387  
 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Sean Felton +1 919-379-4092  
[sfelton@wearcheckusa.com](mailto:sfelton@wearcheckusa.com)

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



**DIRT**



Area  
**FLEET/DILLON**  
 Machine Id  
**2126964 (S/N 4v4nc9eh6nn603212)**  
 Component  
**1 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

All component wear rates are normal.

### Contamination

Elemental level of silicon (Si) above normal indicating ingress of seal material.

### 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>PCA0104849</b>	---	---
Sample Date	Client Info	<b>17 Aug 2023</b>	---	---
Machine Age	hrs	Client Info	<b>0</b>	---
Oil Age	hrs	Client Info	<b>0</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>176</b>	---
Chromium	ppm	ASTM D5185m >10	<b>3</b>	---
Nickel	ppm	ASTM D5185m >10	<b>8</b>	---
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	---
Silver	ppm	ASTM D5185m	<b>0</b>	---
Aluminum	ppm	ASTM D5185m >25	<b>4</b>	---
Lead	ppm	ASTM D5185m >25	<b>0</b>	---
Copper	ppm	ASTM D5185m >100	<b>2</b>	---
Tin	ppm	ASTM D5185m >10	<b>2</b>	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	---
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 400	<b>76</b>	---
Barium	ppm	ASTM D5185m 200	<b>0</b>	---
Molybdenum	ppm	ASTM D5185m 12	<b>0</b>	---
Manganese	ppm	ASTM D5185m	<b>12</b>	---
Magnesium	ppm	ASTM D5185m 12	<b>&lt;1</b>	---
Calcium	ppm	ASTM D5185m 150	<b>19</b>	---
Phosphorus	ppm	ASTM D5185m 1650	<b>1093</b>	---
Zinc	ppm	ASTM D5185m 125	<b>21</b>	---
Sulfur	ppm	ASTM D5185m 22500	<b>30902</b>	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	<b>▲ 83</b>	---
Sodium	ppm	ASTM D5185m	<b>4</b>	---
Potassium	ppm	ASTM D5185m >20	<b>4</b>	---

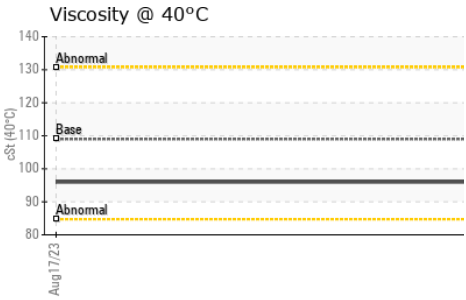
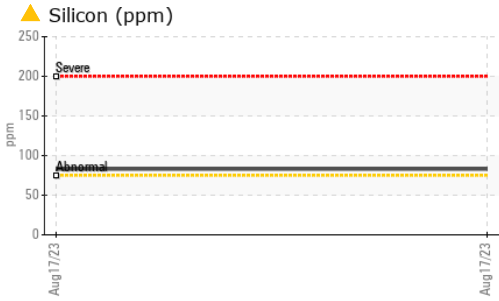
## VISUAL

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

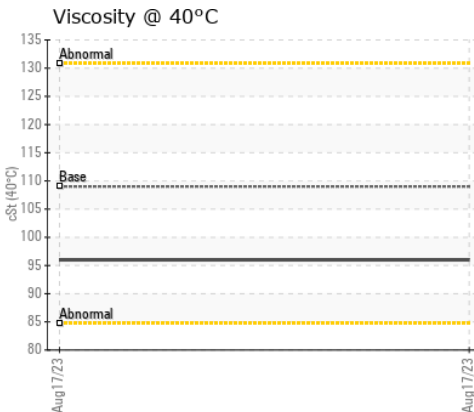
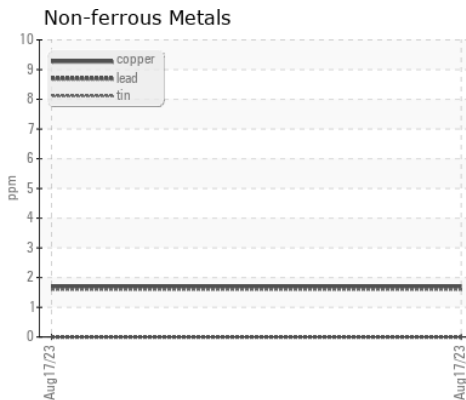
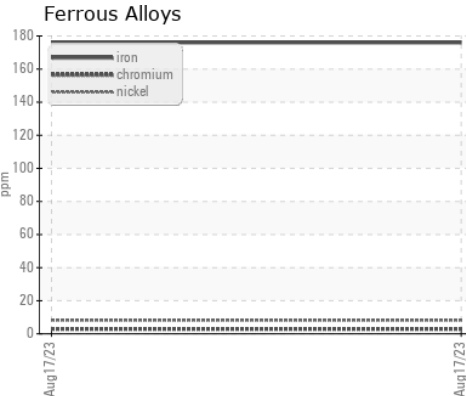
method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 109	<b>96.0</b>	---

# 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.** : PCA0104849 **Received** : 30 Aug 2023  
**Lab Number** : **05939387** **Diagnosed** : 01 Sep 2023  
**Unique Number** : 10629999 **Diagnostician** : Sean Felton  
**Test Package** : FLEET

**PERDUE FARMS - DILLON**  
 2047 HWY 9 WEST  
 DILLON, SC  
 US 29536  
 Contact: KEVIN HOOKS  
 kevin.hooks@perdue.com  
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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)