



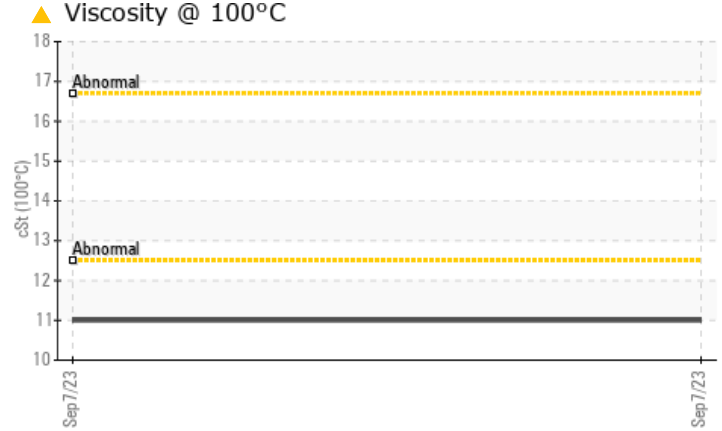
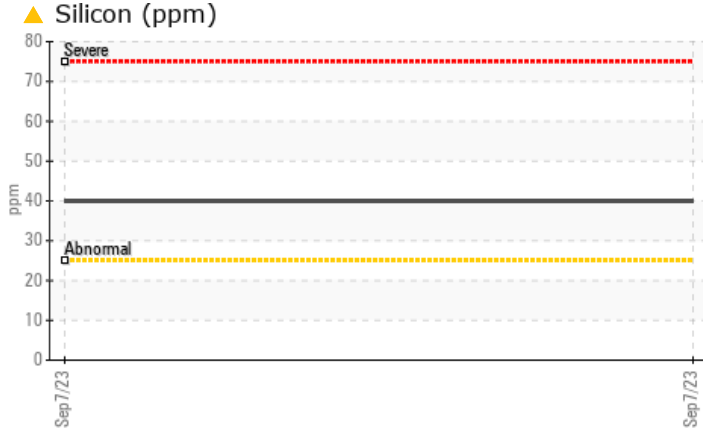
# PROBLEM SUMMARY

Area  
**FLEET**  
 Machine Id  
**Perdue farms (S/N HTG1364623)**  
 Component  
**Center Diesel Engine**  
 Fluid  
**NOT GIVEN (--- GAL)**

Sample Rating Trend



## 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				<b>ABNORMAL</b>	---	---
Silicon	ppm	ASTM D5185m	>25	▲ 40	---	---
Visc @ 100°C	cSt	ASTM D445		▲ 11.0	---	---

Customer Id: PERDILSC  
 Sample No.: PCA0104888  
 Lab Number: 05957443  
 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Jonathan Hester +1 919-379-4092 x4092  
[jhester@wearcheckusa.com](mailto:jhester@wearcheckusa.com)

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

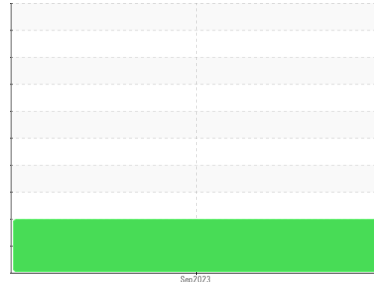
## RECOMMENDED ACTIONS

*There are no recommended actions for this sample.*

## HISTORICAL DIAGNOSIS

# OIL ANALYSIS REPORT

Sample Rating Trend



Area  
**FLEET**  
Machine Id  
**Perdue farms (S/N HTG1364623)**  
Component  
**Center Diesel Engine**  
Fluid  
**NOT GIVEN (--- 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**  
Fuel content negligible. Elemental level of silicon (Si) above normal indicating ingress of seal material.
- Fluid Condition**  
The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PCA0104888</b>	---	---
Sample Date	Client Info	<b>07 Sep 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>	---	---

## CONTAMINATION

method	limit/base	current	history1	history2
Glycol	WC Method	<b>NEG</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185m >100	<b>6</b>	---	---
Chromium ppm	ASTM D5185m >20	<b>0</b>	---	---
Nickel ppm	ASTM D5185m >4	<b>0</b>	---	---
Titanium ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Silver ppm	ASTM D5185m >3	<b>0</b>	---	---
Aluminum ppm	ASTM D5185m >20	<b>&lt;1</b>	---	---
Lead ppm	ASTM D5185m >40	<b>0</b>	---	---
Copper ppm	ASTM D5185m >330	<b>2</b>	---	---
Tin ppm	ASTM D5185m >15	<b>&lt;1</b>	---	---
Vanadium ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Cadmium ppm	ASTM D5185m	<b>0</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185m	<b>107</b>	---	---
Barium ppm	ASTM D5185m	<b>0</b>	---	---
Molybdenum ppm	ASTM D5185m	<b>10</b>	---	---
Manganese ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Magnesium ppm	ASTM D5185m	<b>677</b>	---	---
Calcium ppm	ASTM D5185m	<b>1591</b>	---	---
Phosphorus ppm	ASTM D5185m	<b>708</b>	---	---
Zinc ppm	ASTM D5185m	<b>850</b>	---	---
Sulfur ppm	ASTM D5185m	<b>3768</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >25	<b>▲ 40</b>	---	---
Sodium ppm	ASTM D5185m	<b>4</b>	---	---
Potassium ppm	ASTM D5185m >20	<b>4</b>	---	---
Fuel %	ASTM D3524 >5	<b>1.2</b>	---	---

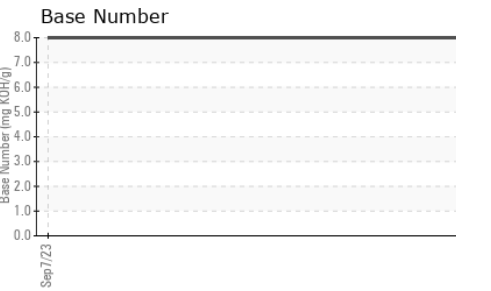
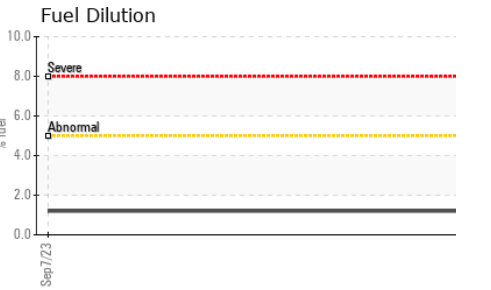
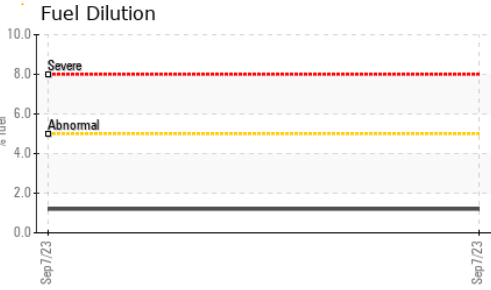
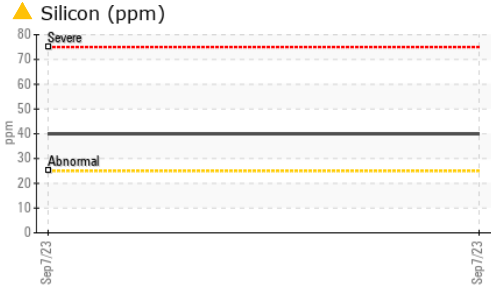
## INFRA-RED

method	limit/base	current	history1	history2
Soot %	*ASTM D7844 >3	<b>0.1</b>	---	---
Nitration Abs/cm	*ASTM D7624 >20	<b>6.6</b>	---	---
Sulfation Abs/.1mm	*ASTM D7415 >30	<b>16.9</b>	---	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation Abs/.1mm	*ASTM D7414 >25	<b>11.8</b>	---	---
Base Number (BN) mg KOH/g	ASTM D2896	<b>8.0</b>	---	---

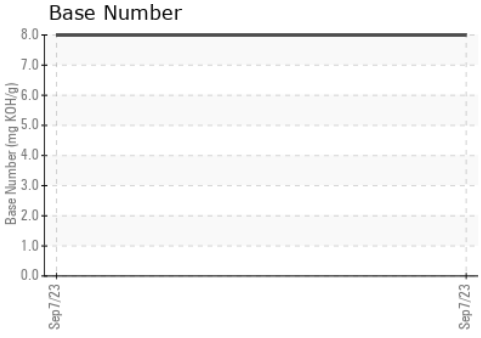
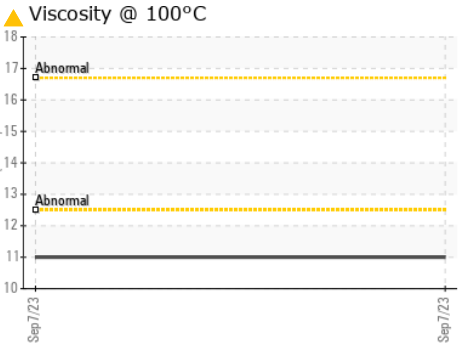
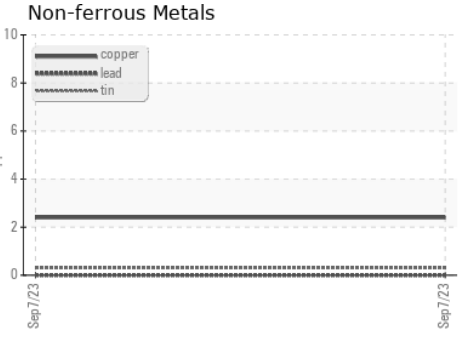
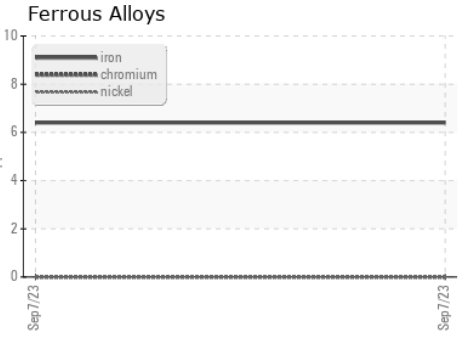
# OIL ANALYSIS REPORT



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	>0.2	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	▲ 11.0	---	---

### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0104888 **Received** : 21 Sep 2023  
**Lab Number** : 05957443 **Diagnosed** : 25 Sep 2023  
**Unique Number** : 10658656 **Diagnostician** : Jonathan Hester  
**Test Package** : FLEET ( Additional Tests: FuelDilution, PercentFuel )

**PERDUE FARMS - DILLON**  
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 DILLON, SC  
 US 29536  
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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)