

# PROBLEM SUMMARY

Sample Rating Trend



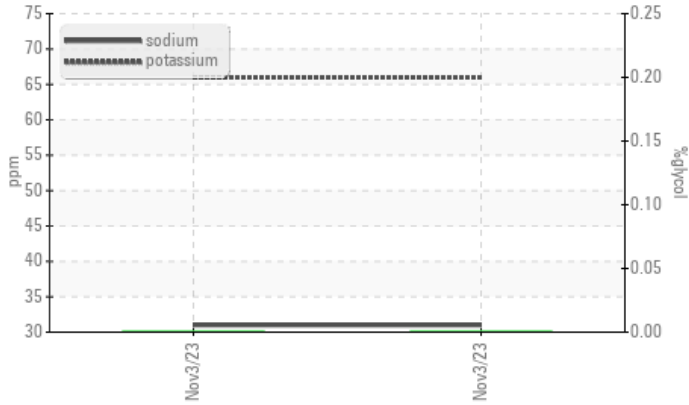
GLYCOL



Machine Id  
**26591**  
 Component  
**Diesel Engine**  
 Fluid  
**DISEL ENGINE OIL SAE 15W40 (--- GAL)**

## COMPONENT CONDITION SUMMARY

### ▲ Glycol Contamination



## RECOMMENDATION

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

## PROBLEMATIC TEST RESULTS

Sample Status				<b>ABNORMAL</b>	---	---
Potassium	ppm	ASTM D5185m	>20	▲ 66	---	---

Customer Id: PERCANN  
 Sample No.: PCA0068356  
 Lab Number: 06010036  
 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

Action	Status	Date	Done By	Description
Resample	---	---	?	We recommend an early resample to monitor this condition.

## HISTORICAL DIAGNOSIS

# OIL ANALYSIS REPORT

Sample Rating Trend



**GLYCOL**



Machine Id  
**26591**  
 Component  
**Diesel Engine**  
 Fluid  
**DEISEL ENGINE OIL SAE 15W40 (--- GAL)**

## DIAGNOSIS

### ▲ Recommendation

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

### Wear

All component wear rates are normal.

### ▲ Contamination

Sodium and/or potassium levels are high. Test for glycol is negative.

### Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORMATION	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PCA0068356</b>	---	---
Sample Date	Client Info		<b>03 Nov 2023</b>	---	---
Machine Age	mls Client Info		<b>710852</b>	---	---
Oil Age	mls Client Info		<b>30000</b>	---	---
Oil Changed	Client Info		<b>N/A</b>	---	---
Sample Status			<b>ABNORMAL</b>	---	---

CONTAMINATION	method	limit/base	current	history1	history2
Water	WC Method	>0.2	<b>NEG</b>	---	---

WEAR METALS	method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m	>100	<b>36</b>	---	---
Chromium	ppm ASTM D5185m	>20	<b>&lt;1</b>	---	---
Nickel	ppm ASTM D5185m	>4	<b>0</b>	---	---
Titanium	ppm ASTM D5185m		<b>0</b>	---	---
Silver	ppm ASTM D5185m	>3	<b>&lt;1</b>	---	---
Aluminum	ppm ASTM D5185m	>20	<b>17</b>	---	---
Lead	ppm ASTM D5185m	>40	<b>0</b>	---	---
Copper	ppm ASTM D5185m	>330	<b>3</b>	---	---
Tin	ppm ASTM D5185m	>15	<b>&lt;1</b>	---	---
Vanadium	ppm ASTM D5185m		<b>0</b>	---	---
Cadmium	ppm ASTM D5185m		<b>0</b>	---	---

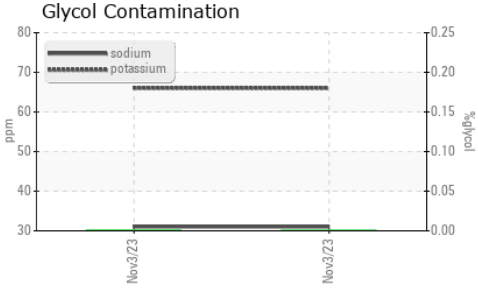
ADDITIVES	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	250	<b>0</b>	---	---
Barium	ppm ASTM D5185m	10	<b>0</b>	---	---
Molybdenum	ppm ASTM D5185m	100	<b>62</b>	---	---
Manganese	ppm ASTM D5185m		<b>&lt;1</b>	---	---
Magnesium	ppm ASTM D5185m	450	<b>936</b>	---	---
Calcium	ppm ASTM D5185m	3000	<b>1071</b>	---	---
Phosphorus	ppm ASTM D5185m	1150	<b>988</b>	---	---
Zinc	ppm ASTM D5185m	1350	<b>1227</b>	---	---
Sulfur	ppm ASTM D5185m	4250	<b>2487</b>	---	---

CONTAMINANTS	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	>25	<b>9</b>	---	---
Sodium	ppm ASTM D5185m	>158	<b>31</b>	---	---
Potassium	ppm ASTM D5185m	>20	<b>▲ 66</b>	---	---
Fuel	% ASTM D3524	>5	<b>&lt;1.0</b>	---	---
Glycol	% *ASTM D2982		<b>0.0</b>	---	---

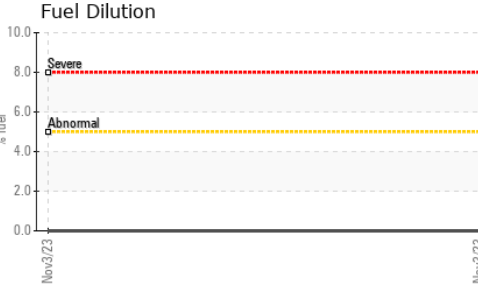
INFRA-RED	method	limit/base	current	history1	history2
Soot %	% *ASTM D7844	>3	<b>0.8</b>	---	---
Nitration	Abs/cm *ASTM D7624	>20	<b>9.9</b>	---	---
Sulfation	Abs/.1mm *ASTM D7415	>30	<b>23.9</b>	---	---

FLUID DEGRADATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414	>25	<b>19.2</b>	---	---
Base Number (BN)	mg KOH/g ASTM D2896	8.5	<b>4.9</b>	---	---

# OIL ANALYSIS REPORT

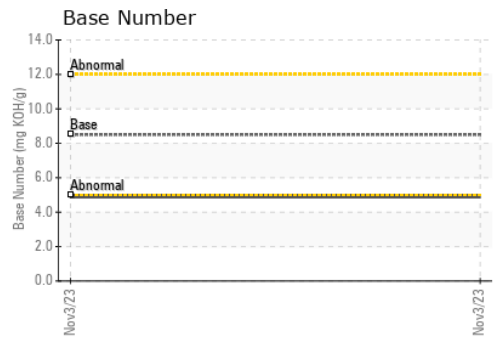
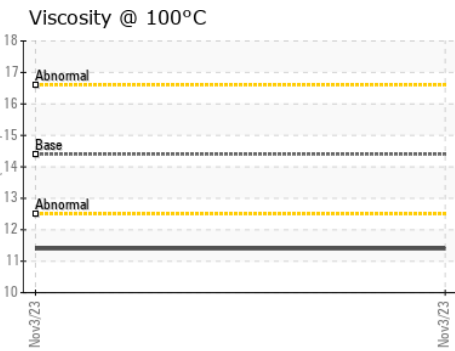
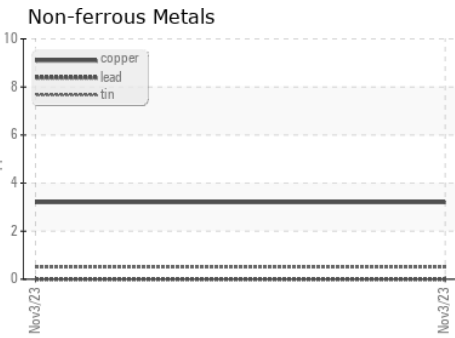
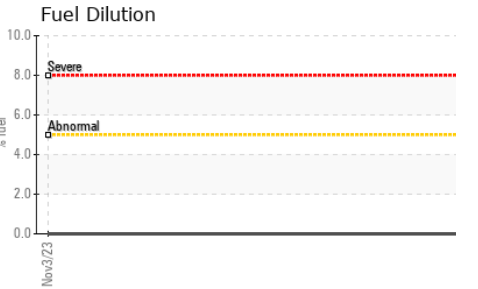
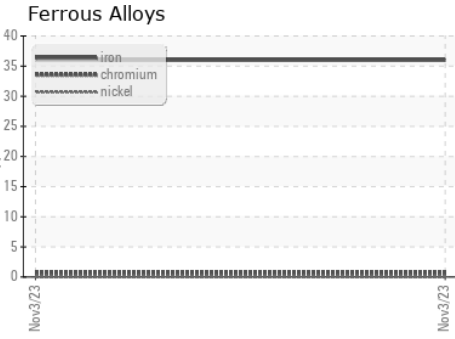
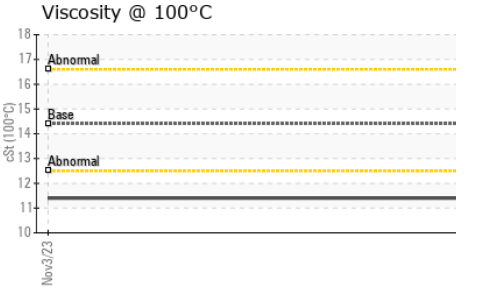


VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
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	14.4	11.4	---	---

### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0068356 **Received** : 16 Nov 2023  
**Lab Number** : **06010036** **Diagnosed** : 01 Dec 2023  
**Unique Number** : 10749180 **Diagnostician** : Jonathan Hester  
**Test Package** : FLEET ( Additional Tests: FuelDilution, Glycol )

**PERDUE FARMS INC - GARAGE**  
 189 PERDUE WAY  
 CANDOR, NC  
 US 27229  
 Contact: Service Manager

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)

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F: