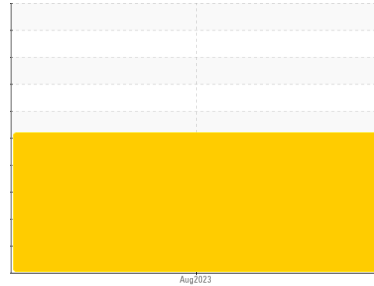


# PROBLEM SUMMARY

Sample Rating Trend



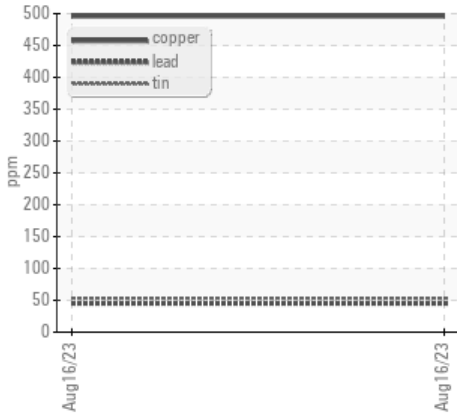
DIRT



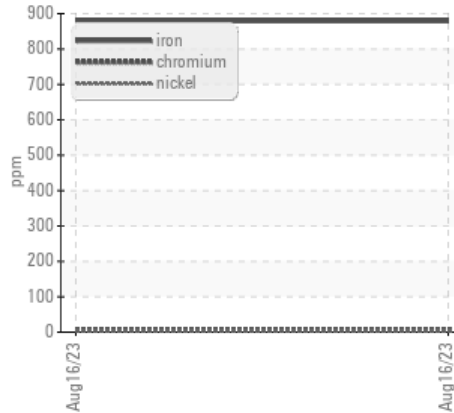
Machine Id  
**VOLVO 26440**  
Component  
**Rear Differential**  
Fluid  
**NOT GIVEN (--- GAL)**

## COMPONENT CONDITION SUMMARY

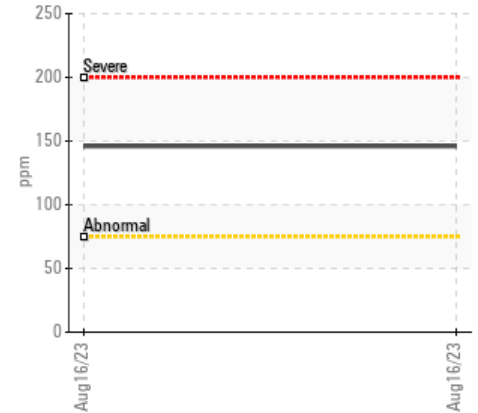
### ▲ Non-ferrous Metals



### ▲ Ferrous Alloys



### ▲ Silicon (ppm)



## 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>	---	---
Iron	ppm	ASTM D5185m	>500	▲ 879	---	---
Lead	ppm	ASTM D5185m	>25	▲ 45	---	---
Copper	ppm	ASTM D5185m	>100	▲ 496	---	---
Tin	ppm	ASTM D5185m	>10	▲ 53	---	---
Boron	ppm	ASTM D5185m		▲ 96	---	---
Silicon	ppm	ASTM D5185m	>75	▲ 146	---	---

Customer Id: PERDILSC  
Sample No.: PCA0102783  
Lab Number: 05928469  
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)

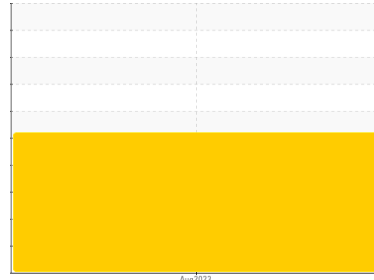
## RECOMMENDED ACTIONS

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

## HISTORICAL DIAGNOSIS

# OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id  
**VOLVO 26440**  
 Component  
**Rear Differential**  
 Fluid  
**NOT GIVEN (--- GAL)**

## DIAGNOSIS

- ▲ Recommendation**  
 No corrective action is recommended at this time. We recommend an early resample to monitor this condition.
- ▲ Wear**  
 Gear wear is indicated. Bearing and/or bushing wear is indicated.
- ▲ 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>PCA0102783</b>	---	---
Sample Date	Client Info	<b>16 Aug 2023</b>	---	---
Machine Age	hrs Client Info	<b>293465</b>	---	---
Oil Age	hrs Client Info	<b>293465</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>▲ 879</b>	---	---
Chromium ppm ASTM D5185m	>10	<b>7</b>	---	---
Nickel ppm ASTM D5185m	>10	<b>3</b>	---	---
Titanium ppm ASTM D5185m		<b>&lt;1</b>	---	---
Silver ppm ASTM D5185m		<b>0</b>	---	---
Aluminum ppm ASTM D5185m	>25	<b>2</b>	---	---
Lead ppm ASTM D5185m	>25	<b>▲ 45</b>	---	---
Copper ppm ASTM D5185m	>100	<b>▲ 496</b>	---	---
Tin ppm ASTM D5185m	>10	<b>▲ 53</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		<b>▲ 96</b>	---	---
Barium ppm ASTM D5185m		<b>1</b>	---	---
Molybdenum ppm ASTM D5185m		<b>0</b>	---	---
Manganese ppm ASTM D5185m		<b>15</b>	---	---
Magnesium ppm ASTM D5185m		<b>3</b>	---	---
Calcium ppm ASTM D5185m		<b>13</b>	---	---
Phosphorus ppm ASTM D5185m		<b>1403</b>	---	---
Zinc ppm ASTM D5185m		<b>36</b>	---	---
Sulfur ppm ASTM D5185m		<b>27027</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>75	<b>▲ 146</b>	---	---
Sodium ppm ASTM D5185m		<b>12</b>	---	---
Potassium ppm ASTM D5185m	>20	<b>5</b>	---	---

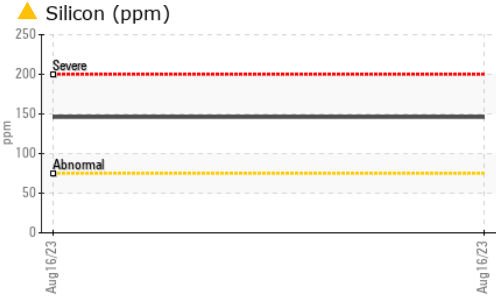
## VISUAL

method	limit/base	current	history1	history2
White Metal scalar *Visual	NONE	<b>MODER</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>	---	---

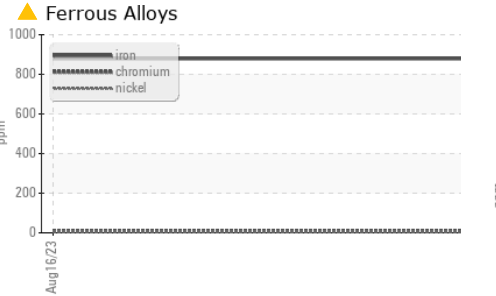
## FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C cSt ASTM D445		<b>80.9</b>	---	---

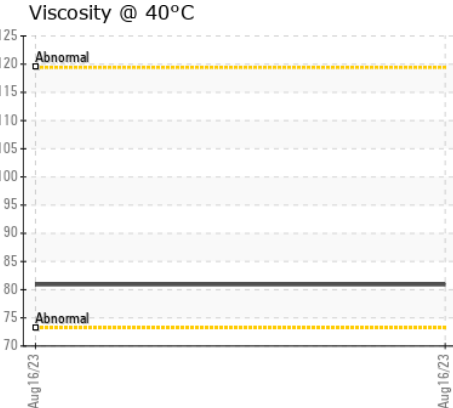
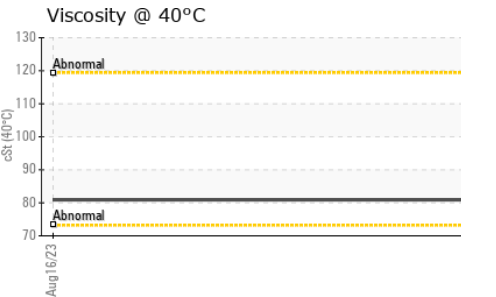
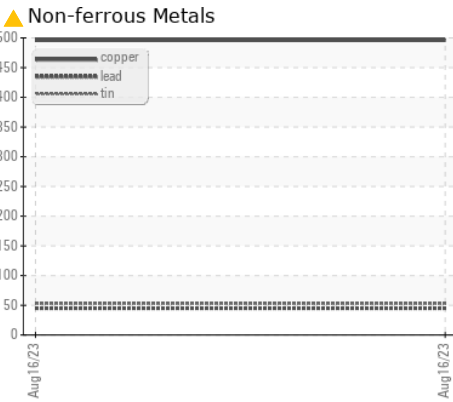
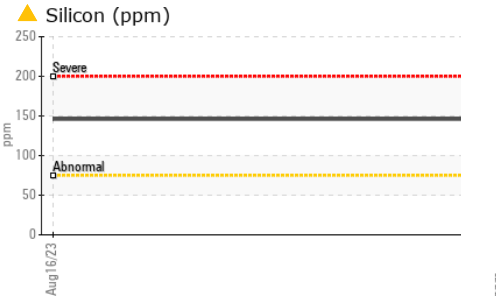
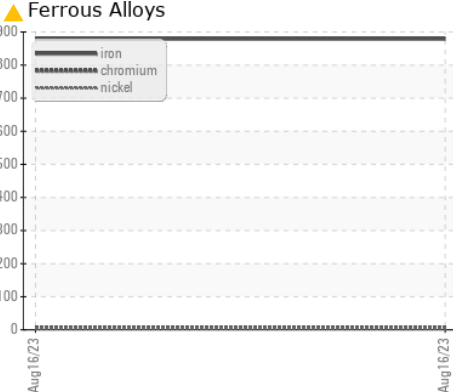
# OIL ANALYSIS REPORT



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.** : PCA0102783 **Received** : 18 Aug 2023  
**Lab Number** : 05928469 **Diagnosed** : 21 Aug 2023  
**Unique Number** : 10608416 **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)