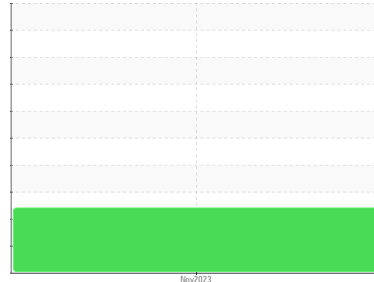


PROBLEM SUMMARY

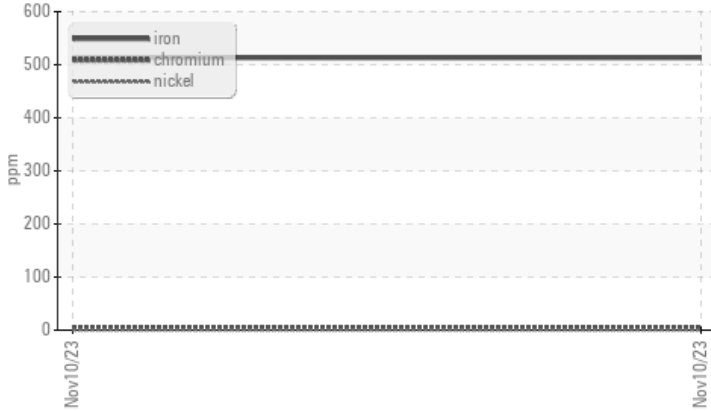
Sample Rating Trend



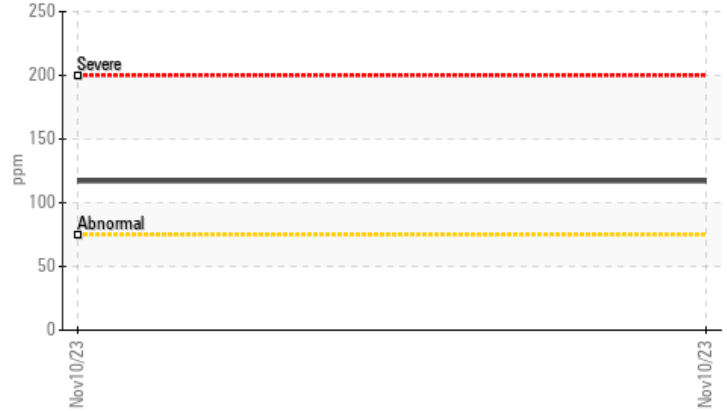
Machine Id
VOLVO 7988 (S/N EN173847)
 Component
Rear Differential
 Fluid
GEAR OIL SAE 80 (--- QTS)

COMPONENT CONDITION SUMMARY

▲ 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				ABNORMAL	---	---
Iron	ppm	ASTM D5185m	>500	▲ 513	---	---
Silicon	ppm	ASTM D5185m	>75	▲ 117	---	---

Customer Id: PERLEWNC
 Sample No.: PCA0108040
 Lab Number: 06008720
 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

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

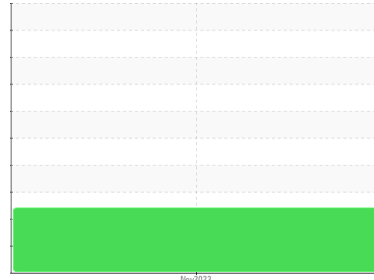
RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id
VOLVO 7988 (S/N EN173847)
 Component
Rear Differential
 Fluid
GEAR OIL SAE 80 (--- QTS)

DIAGNOSIS

- ▲ Recommendation**
 No corrective action is recommended at this time. Resample at the next service interval to monitor.
- ▲ Wear**
 Gear 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	PCA0108040	---	---
Sample Date	Client Info	10 Nov 2023	---	---
Machine Age	mls Client Info	512139	---	---
Oil Age	mls Client Info	512139	---	---
Oil Changed	Client Info	Not Chngd	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>500	▲ 513	---	---
Chromium ppm ASTM D5185m	>10	5	---	---
Nickel ppm ASTM D5185m	>10	<1	---	---
Titanium ppm ASTM D5185m		<1	---	---
Silver ppm ASTM D5185m		0	---	---
Aluminum ppm ASTM D5185m	>25	5	---	---
Lead ppm ASTM D5185m	>25	<1	---	---
Copper ppm ASTM D5185m	>100	9	---	---
Tin ppm ASTM D5185m	>10	1	---	---
Vanadium ppm ASTM D5185m		<1	---	---
Cadmium ppm ASTM D5185m		0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m	400	131	---	---
Barium ppm ASTM D5185m	200	<1	---	---
Molybdenum ppm ASTM D5185m	12	0	---	---
Manganese ppm ASTM D5185m		14	---	---
Magnesium ppm ASTM D5185m	12	2	---	---
Calcium ppm ASTM D5185m	150	66	---	---
Phosphorus ppm ASTM D5185m	1650	1520	---	---
Zinc ppm ASTM D5185m	125	57	---	---
Sulfur ppm ASTM D5185m	22500	26249	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>75	▲ 117	---	---
Sodium ppm ASTM D5185m		11	---	---
Potassium ppm ASTM D5185m	>20	9	---	---

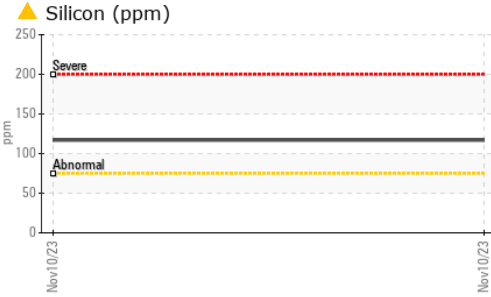
VISUAL

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	>.2	NEG	---	---
Free Water scalar *Visual		NEG	---	---

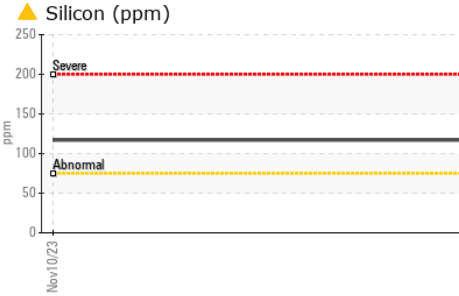
FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C cSt ASTM D445	74	87.5	---	---

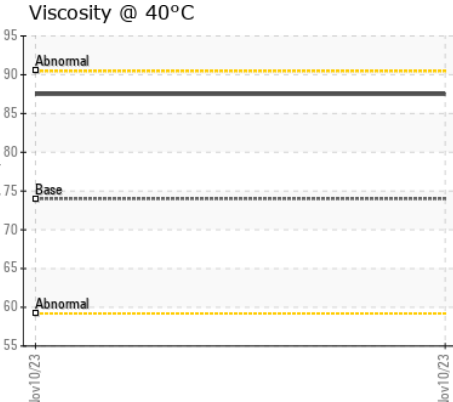
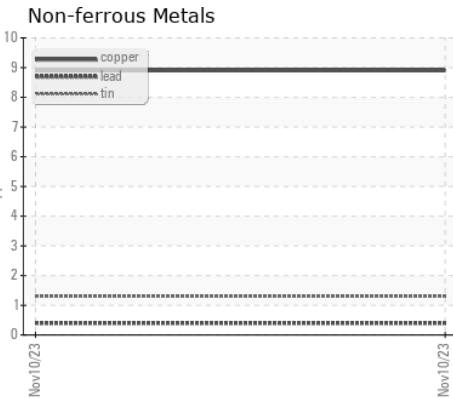
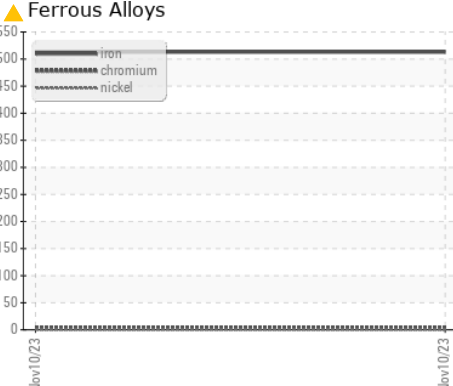
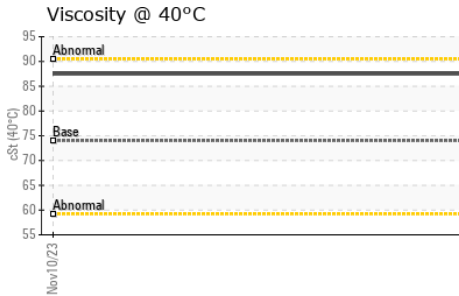
OIL ANALYSIS REPORT



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. : PCA0108040 **Received** : 15 Nov 2023
Lab Number : 06008720 **Diagnosed** : 18 Nov 2023
Unique Number : 10742482 **Diagnostician** : Don Baldrige
Test Package : FLEET

PERDUE FARMS - Lewiston
 210 GRIFFINS QUARTER RD
 LEWISTON, NC
 US 27849
 Contact: NELSON WALLACE
 nelson.wallace2@perdue.com

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)

T:
F: