

PROBLEM SUMMARY

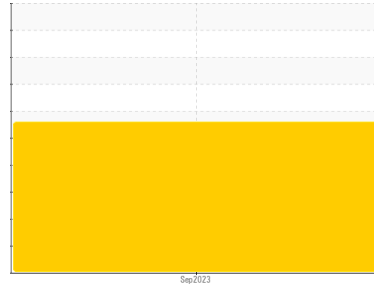
Sample Rating Trend

DIRT



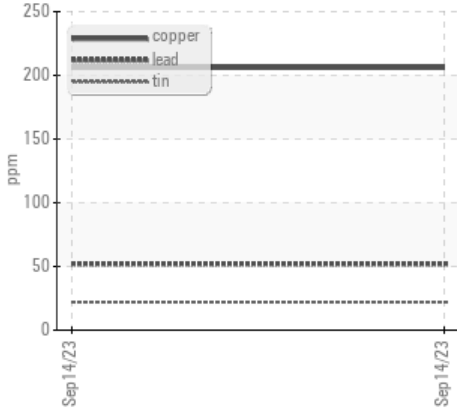
Machine Id
VOLVO TRACTOR 26468 (S/N BM152516)

Component
Front Differential
Fluid
NOT GIVEN (--- QTS)

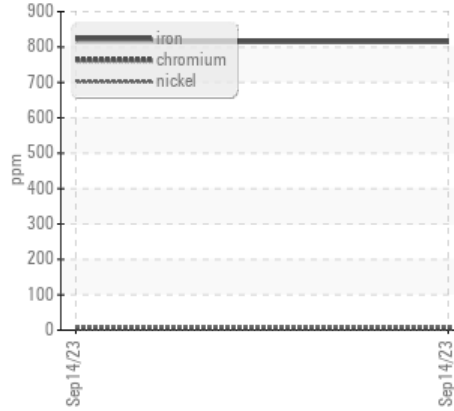


COMPONENT CONDITION SUMMARY

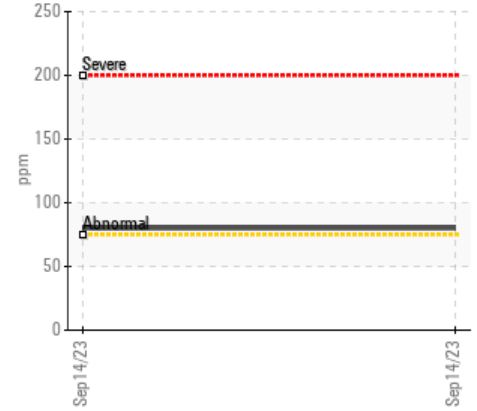
▲ Non-ferrous Metals



▲ Ferrous Alloys



▲ Silicon (ppm)



RECOMMENDATION

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Iron	ppm	ASTM D5185m	>500	▲ 815	---	---
Nickel	ppm	ASTM D5185m	>10	▲ 10	---	---
Lead	ppm	ASTM D5185m	>25	▲ 52	---	---
Copper	ppm	ASTM D5185m	>100	▲ 206	---	---
Tin	ppm	ASTM D5185m	>10	▲ 22	---	---
Silicon	ppm	ASTM D5185m	>75	▲ 80	---	---

Customer Id: PERLEWNC
Sample No.: PCA0104015
Lab Number: 05954360
Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:
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jhester@wearcheckusa.com

To change component or sample information:
Customer Service +1 1-800-237-1369
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 TRACTOR 26468 (S/N BM152516)
 Component
Front Differential
 Fluid
NOT GIVEN (--- QTS)

DIAGNOSIS

Recommendation
 The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear
 Bearing and/or 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	PCA0104015	---	---
Sample Date	Client Info	14 Sep 2023	---	---
Machine Age	mls Client Info	459332	---	---
Oil Age	mls Client Info	459332	---	---
Oil Changed	Client Info	Changed	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>500	▲ 815	---	---
Chromium ppm ASTM D5185m	>10	6	---	---
Nickel ppm ASTM D5185m	>10	▲ 10	---	---
Titanium ppm ASTM D5185m		<1	---	---
Silver ppm ASTM D5185m		0	---	---
Aluminum ppm ASTM D5185m	>25	6	---	---
Lead ppm ASTM D5185m	>25	▲ 52	---	---
Copper ppm ASTM D5185m	>100	▲ 206	---	---
Tin ppm ASTM D5185m	>10	▲ 22	---	---
Vanadium ppm ASTM D5185m		<1	---	---
Cadmium ppm ASTM D5185m		<1	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m		127	---	---
Barium ppm ASTM D5185m		0	---	---
Molybdenum ppm ASTM D5185m		<1	---	---
Manganese ppm ASTM D5185m		22	---	---
Magnesium ppm ASTM D5185m		0	---	---
Calcium ppm ASTM D5185m		16	---	---
Phosphorus ppm ASTM D5185m		1593	---	---
Zinc ppm ASTM D5185m		74	---	---
Sulfur ppm ASTM D5185m		25056	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>75	▲ 80	---	---
Sodium ppm ASTM D5185m		17	---	---
Potassium ppm ASTM D5185m	>20	11	---	---

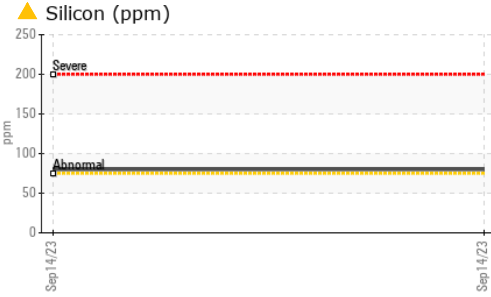
VISUAL

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	---	---

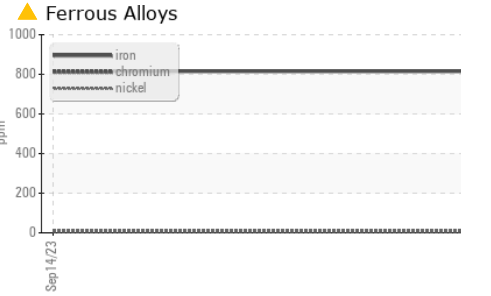
FLUID PROPERTIES

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

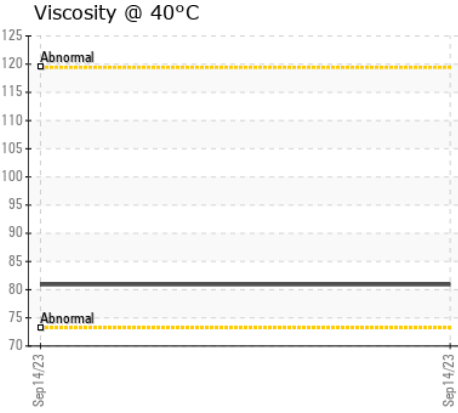
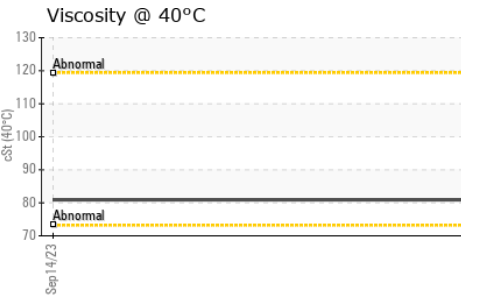
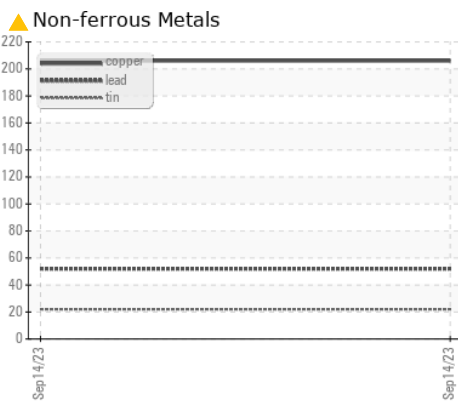
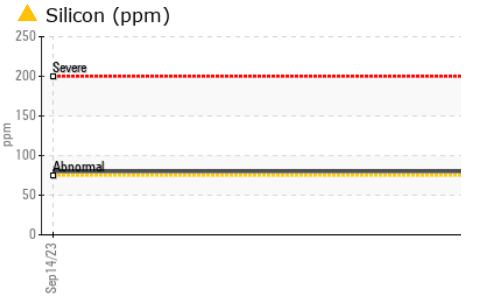
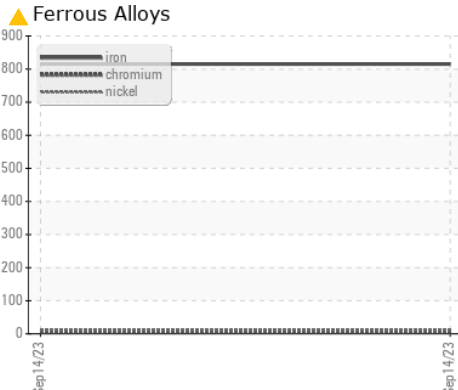
OIL ANALYSIS REPORT



SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0104015 **Received** : 18 Sep 2023
Lab Number : 05954360 **Diagnosed** : 20 Sep 2023
Unique Number : 10655573 **Diagnostician** : Jonathan Hester
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)