

PROBLEM SUMMARY

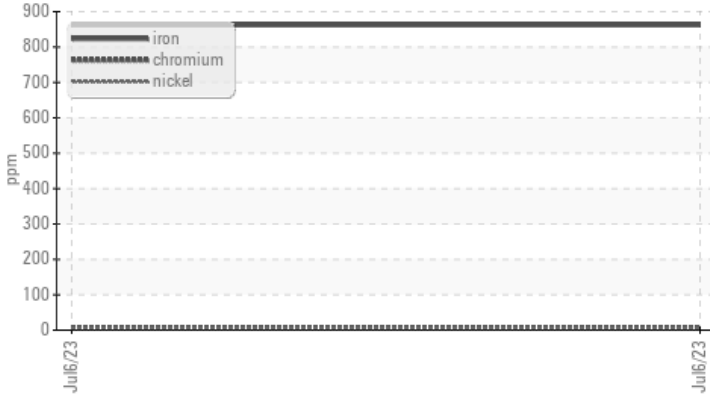
Area
FLEET
 Machine Id
VOLVO 2026819
 Component
1 Differential
 Fluid
GEAR OIL SAE 75W90 (--- GAL)

Sample Rating Trend

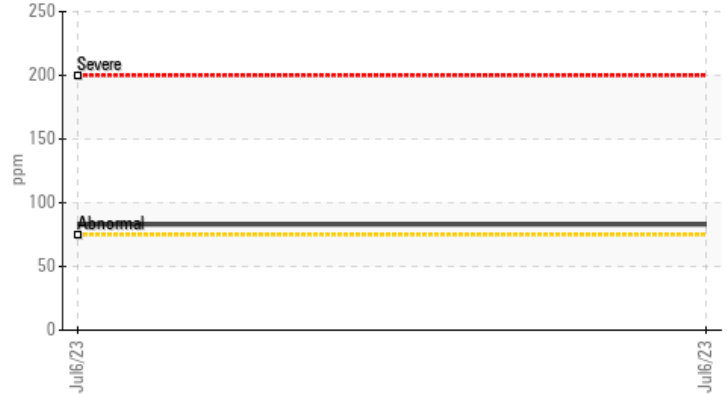


COMPONENT CONDITION SUMMARY

▲ 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	▲ 862	---	---
Silicon	ppm	ASTM D5185m	>75	▲ 83	---	---

Customer Id: PERDILSC
 Sample No.: PCA0102027
 Lab Number: 05896476
 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

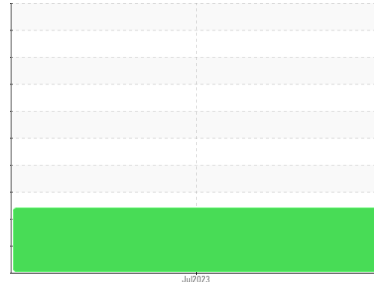
RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

OIL ANALYSIS REPORT

Sample Rating Trend



DIRT



Area
FLEET
 Machine Id
VOLVO 2026819
 Component
1 Differential
 Fluid
GEAR OIL SAE 75W90 (--- GAL)

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 dirt/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	PCA0102027	---	---
Sample Date	Client Info	06 Jul 2023	---	---
Machine Age	mls Client Info	308143	---	---
Oil Age	mls Client Info	308143	---	---
Oil Changed	Client Info	Not Chngd	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>500	▲ 862	---	---
Chromium ppm ASTM D5185m	>10	8	---	---
Nickel ppm ASTM D5185m	>10	6	---	---
Titanium ppm ASTM D5185m		0	---	---
Silver ppm ASTM D5185m		0	---	---
Aluminum ppm ASTM D5185m	>25	3	---	---
Lead ppm ASTM D5185m	>25	0	---	---
Copper ppm ASTM D5185m	>100	93	---	---
Tin ppm ASTM D5185m	>10	2	---	---
Vanadium ppm ASTM D5185m		0	---	---
Cadmium ppm ASTM D5185m		0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m	400	201	---	---
Barium ppm ASTM D5185m	200	0	---	---
Molybdenum ppm ASTM D5185m	12	1	---	---
Manganese ppm ASTM D5185m		17	---	---
Magnesium ppm ASTM D5185m	12	0	---	---
Calcium ppm ASTM D5185m	150	31	---	---
Phosphorus ppm ASTM D5185m	1650	1298	---	---
Zinc ppm ASTM D5185m	125	13	---	---
Sulfur ppm ASTM D5185m	22500	25089	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>75	▲ 83	---	---
Sodium ppm ASTM D5185m		8	---	---
Potassium ppm ASTM D5185m	>20	16	---	---

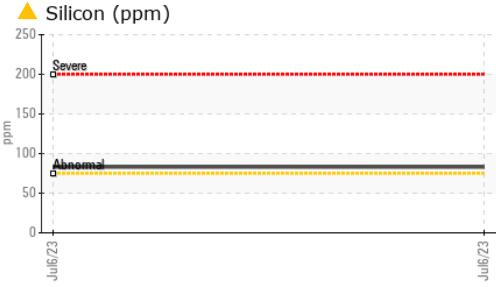
VISUAL

method	limit/base	current	history1	history2
White Metal scalar *Visual	NONE	LIGHT	---	---
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	---	---

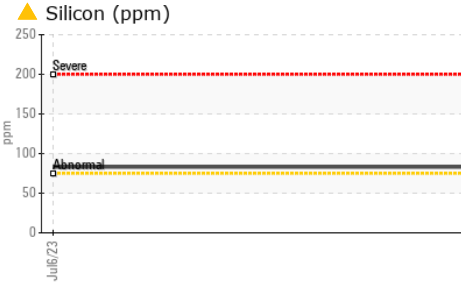
FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C cSt ASTM D445	109	100	---	---

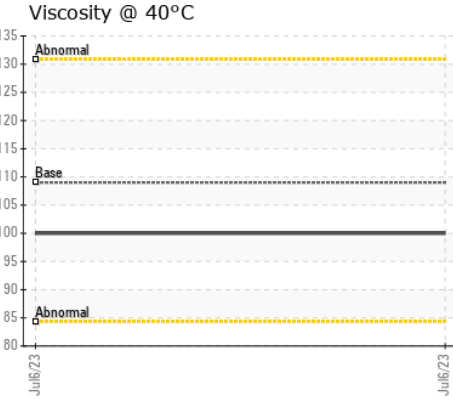
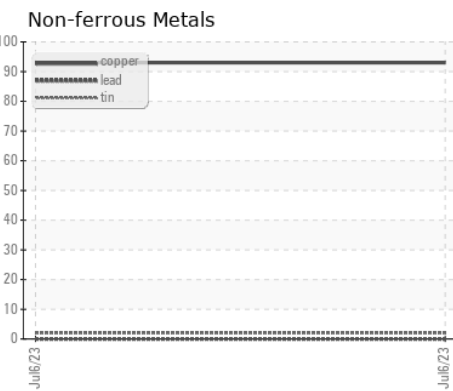
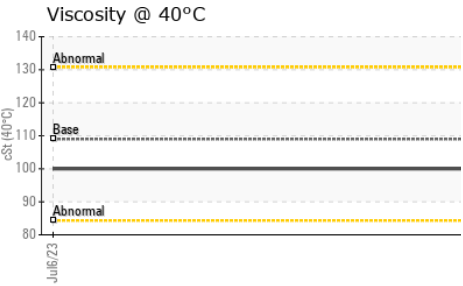
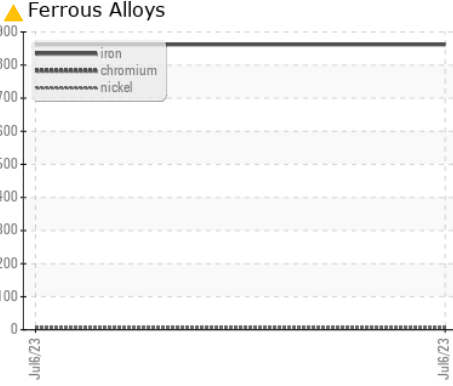
OIL ANALYSIS REPORT



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. : PCA0102027
Lab Number : 05896476
Unique Number : 10552286
Test Package : FLEET

Received : 12 Jul 2023
Diagnosed : 13 Jul 2023
Diagnostician : Don Baldrige

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)