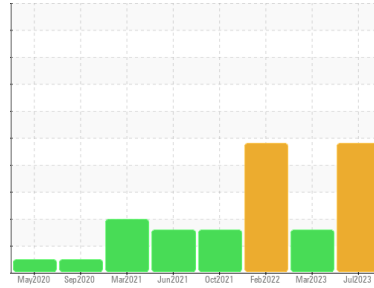


PROBLEM SUMMARY

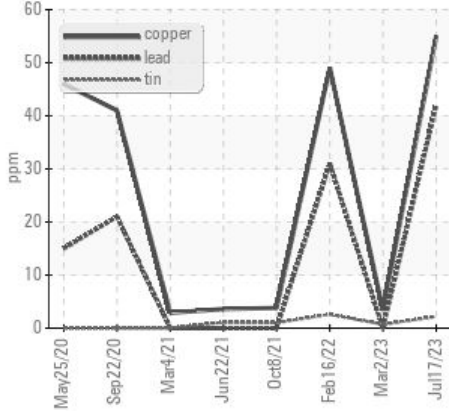
Sample Rating Trend



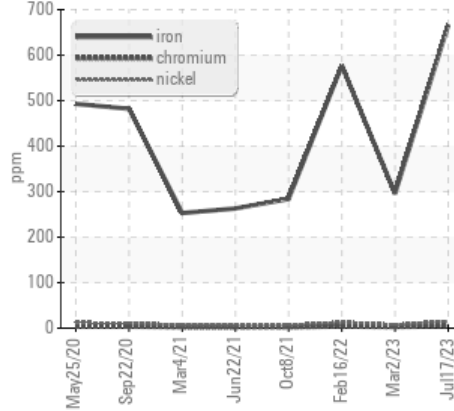
Machine Id
VOLVO 26425
 Component
Front Differential
 Fluid
PETRO CANADA TRAXON SYNTHETIC MTF 75W80 (--- GAL)

COMPONENT CONDITION SUMMARY

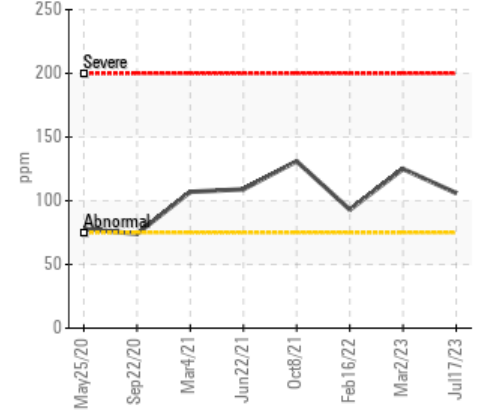
▲ Non-ferrous Metals



▲ 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				ABNORMAL	ABNORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>500	▲ 666	296	▲ 577
Nickel	ppm	ASTM D5185m	>10	▲ 15	7	▲ 13
Lead	ppm	ASTM D5185m	>25	▲ 42	0	▲ 31
Copper	ppm	ASTM D5185m	>100	▲ 55	3	▲ 49
Silicon	ppm	ASTM D5185m	>75	▲ 106	▲ 125	▲ 93

Customer Id: PERBRIDE
 Sample No.: PCA0100541
 Lab Number: 05931065
 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

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

HISTORICAL DIAGNOSIS

02 Mar 2023 Diag: Don Baldrige

DIRT



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.

view report



16 Feb 2022 Diag: Doug Bogart

DIRT



We advise that you check all areas where dirt can enter the system. We recommend an early resample to monitor this condition. Bearing and/or gear wear is indicated. Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material. The condition of the oil is acceptable for the time in service.

view report



08 Oct 2021 Diag: Don Baldrige

DIRT



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material. The condition of the oil is acceptable for the time in service.

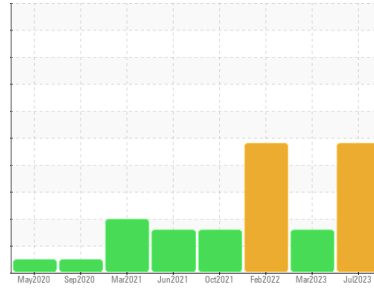
view report



Machine Id
VOLVO 26425

Component
Front Differential
Fluid

PETRO CANADA TRAXON SYNTHETIC MTF 75W80 (--- 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 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	PCA0100541	PCA0092274	PCA0065611
Sample Date	Client Info	17 Jul 2023	02 Mar 2023	16 Feb 2022
Machine Age	mls	Client Info	384444	362589
Oil Age	mls	Client Info	384444	362589
Oil Changed	Client Info	N/A	Not Changd	Oil Added
Sample Status		ABNORMAL	ABNORMAL	ABNORMAL

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >500	▲ 666	296	▲ 577
Chromium	ppm	ASTM D5185m >10	4	3	4
Nickel	ppm	ASTM D5185m >10	▲ 15	7	▲ 13
Titanium	ppm	ASTM D5185m	0	<1	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	<1	2	2
Lead	ppm	ASTM D5185m >25	▲ 42	0	▲ 31
Copper	ppm	ASTM D5185m >100	▲ 55	3	▲ 49
Tin	ppm	ASTM D5185m >10	2	<1	3
Antimony	ppm	ASTM D5185m >5	---	---	---
Vanadium	ppm	ASTM D5185m	0	<1	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m 0	153	144	138
Barium	ppm	ASTM D5185m 0	0	0	0
Molybdenum	ppm	ASTM D5185m	2	<1	2
Manganese	ppm	ASTM D5185m	15	7	13
Magnesium	ppm	ASTM D5185m 3	0	1	<1
Calcium	ppm	ASTM D5185m 731	12	13	21
Phosphorus	ppm	ASTM D5185m 628	1437	1318	1470
Zinc	ppm	ASTM D5185m 1	36	23	30
Sulfur	ppm	ASTM D5185m 2556	28220	22889	21265

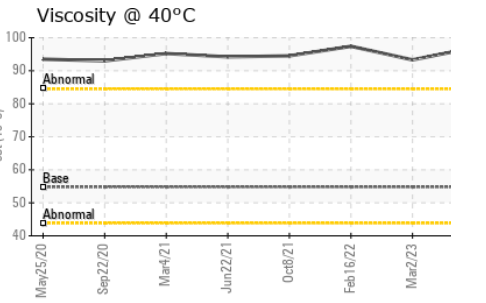
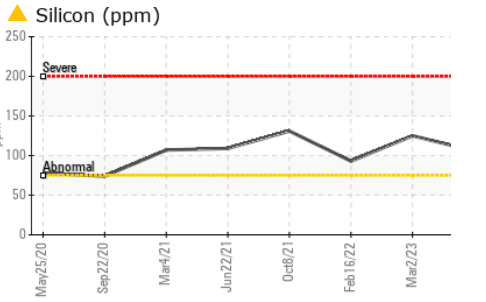
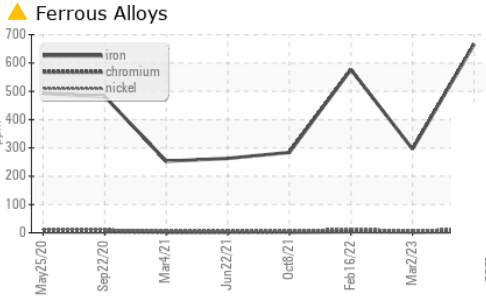
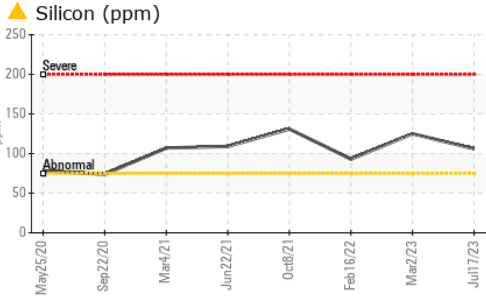
CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >75	▲ 106	▲ 125	▲ 93
Sodium	ppm	ASTM D5185m	9	9	8
Potassium	ppm	ASTM D5185m >20	6	6	4

VISUAL

method	limit/base	current	history1	history2	
White Metal	scalar	*Visual NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual NONE	NONE	NONE	NONE
Silt	scalar	*Visual NONE	LIGHT	NONE	NONE
Debris	scalar	*Visual NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual NONE	NONE	NONE	NONE
Appearance	scalar	*Visual NORML	NORML	NORML	NORML
Odor	scalar	*Visual NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual >.2	NEG	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG

OIL ANALYSIS REPORT

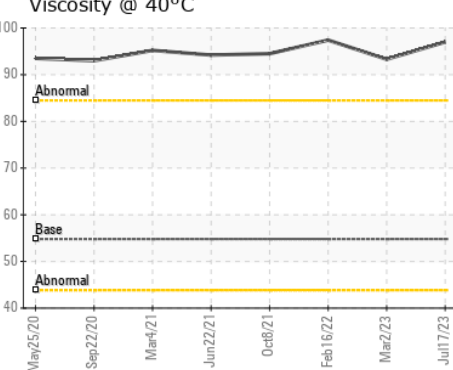
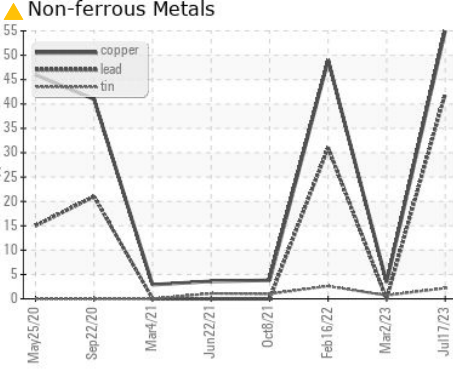
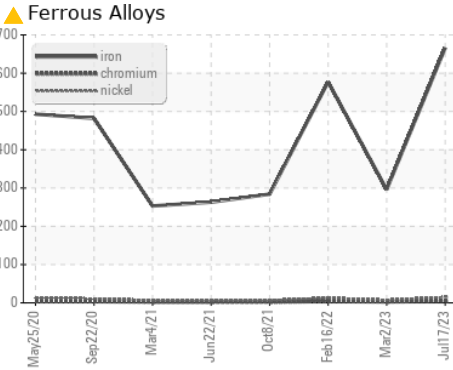


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	54.8	97.0	93.3	97.4

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. : PCA0100541
Lab Number : 05931065
Unique Number : 10616336
Test Package : FLEET

PERDUE FARMS - BRIDGEVILLE
 8634 E NEWTON RD
 BRIDGEVILLE, DE
 US 19933
 Contact: GEORGE LACATES

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: