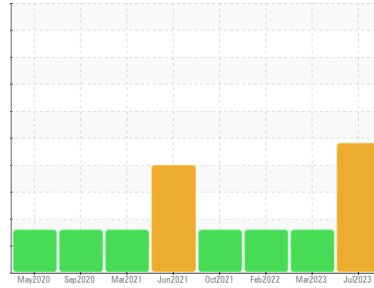


PROBLEM SUMMARY

Sample Rating Trend



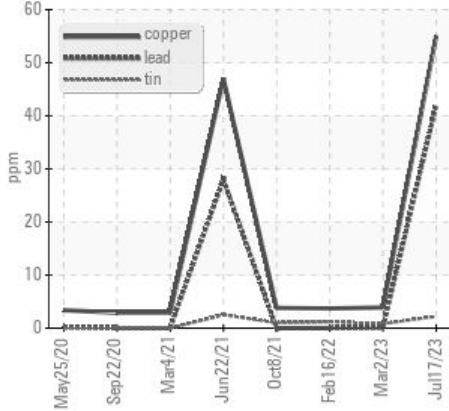
Machine Id
VOLVO 26425

Component
Rear Differential

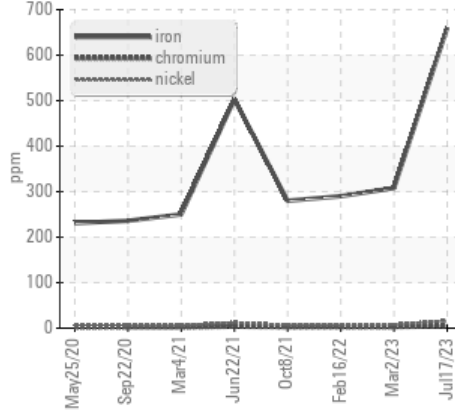
Fluid
PETRO CANADA TRAXON E SYNTHETIC 75W-90 (--- GAL)

COMPONENT CONDITION SUMMARY

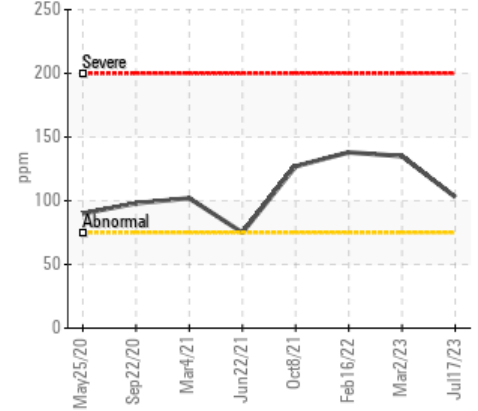
▲ Non-ferrous Metals



▲ 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	▲ 660	308	290
Nickel	ppm	ASTM D5185m	>10	▲ 16	8	6
Lead	ppm	ASTM D5185m	>25	▲ 42	<1	0
Copper	ppm	ASTM D5185m	>100	▲ 55	4	4
Silicon	ppm	ASTM D5185m	>75	▲ 103	▲ 135	▲ 138

Customer Id: PERBRIDE
Sample No.: PCA0100542
Lab Number: 05931064
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 dirt/seal material. The condition of the oil is acceptable for the time in service.

view report



16 Feb 2022 Diag: Doug Bogart

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



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.

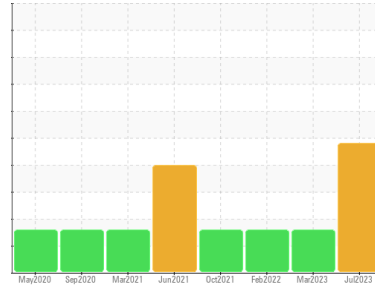
view report



Machine Id
VOLVO 26425

Component
Rear Differential

Fluid
PETRO CANADA TRAXON E SYNTHETIC 75W-90 (--- 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			PCA0100542	PCA0092275	PCA0065612
Sample Date	Client Info			17 Jul 2023	02 Mar 2023	16 Feb 2022
Machine Age	mls	Client Info		401876	384444	362589
Oil Age	mls	Client Info		401876	384444	362589
Oil Changed	Client Info			N/A	N/A	Oil Added
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

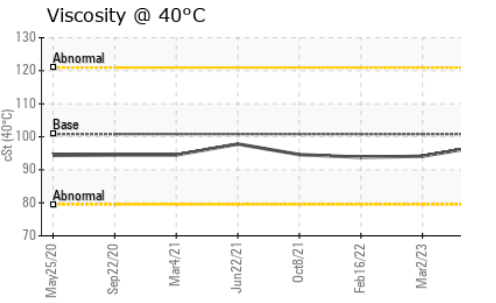
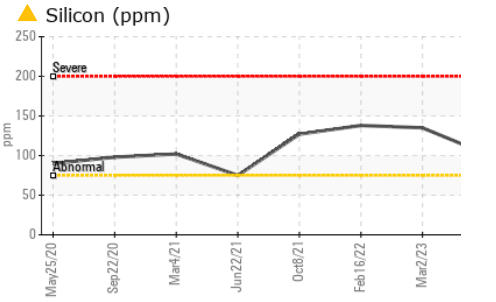
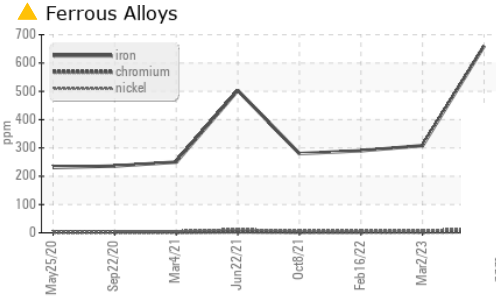
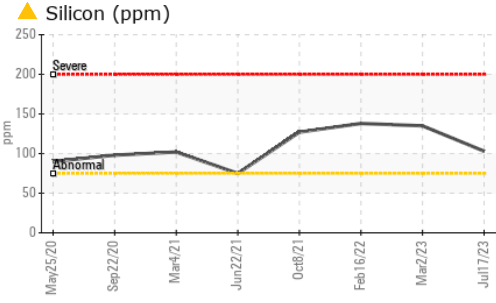
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	▲ 660	308	290
Chromium	ppm	ASTM D5185m	>10	4	2	2
Nickel	ppm	ASTM D5185m	>10	▲ 16	8	6
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	3	2
Lead	ppm	ASTM D5185m	>25	▲ 42	<1	0
Copper	ppm	ASTM D5185m	>100	▲ 55	4	4
Tin	ppm	ASTM D5185m	>10	2	<1	1
Antimony	ppm	ASTM D5185m	>5	---	---	---
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	229	163	142	154
Barium	ppm	ASTM D5185m	<1	0	0	0
Molybdenum	ppm	ASTM D5185m		2	<1	0
Manganese	ppm	ASTM D5185m		15	7	7
Magnesium	ppm	ASTM D5185m	<1	0	2	0
Calcium	ppm	ASTM D5185m		12	33	13
Phosphorus	ppm	ASTM D5185m	1355	1433	1368	1518
Zinc	ppm	ASTM D5185m		37	30	20
Sulfur	ppm	ASTM D5185m	22698	28953	24072	21316

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	▲ 103	▲ 135	▲ 138
Sodium	ppm	ASTM D5185m		10	6	9
Potassium	ppm	ASTM D5185m	>20	5	7	5

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

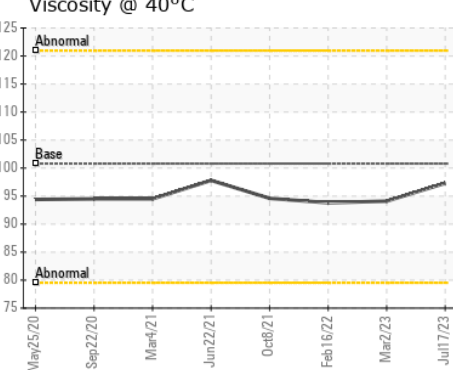
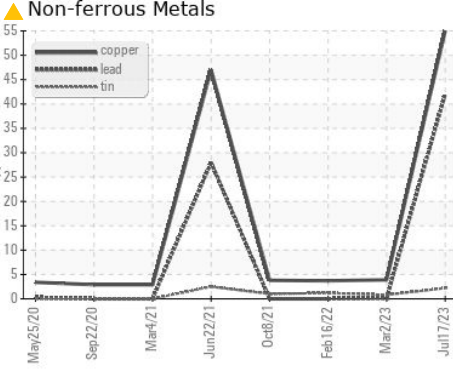
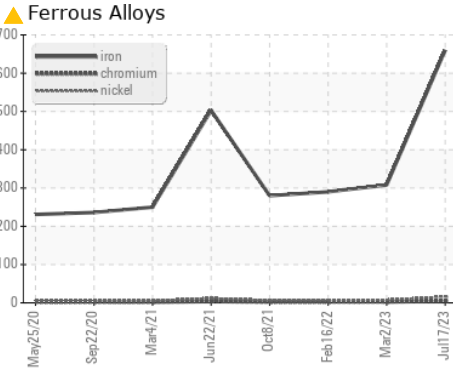


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	100.8	97.3	94.1	93.8

SAMPLE IMAGES		method	limit/base	current	history1	history2
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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. : PCA0100542 **Received** : 22 Aug 2023
Lab Number : 05931064 **Diagnosed** : 23 Aug 2023
Unique Number : 10616335 **Diagnostician** : Don Baldrige
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: