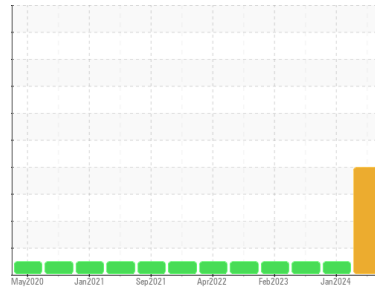


# OIL ANALYSIS REPORT

## Sample Rating Trend



Machine Id  
**Volvo 26558**

Component  
**Rear Differential**

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

### DIAGNOSIS

#### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

#### Wear

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			<b>PCA0106094</b>	PCA0116037	PCA0099163
Sample Date	Client Info			<b>08 May 2024</b>	24 Jan 2024	23 May 2023
Machine Age	mls	Client Info		<b>443851</b>	433227	392039
Oil Age	mls	Client Info		<b>0</b>	433227	392039
Oil Changed	Client Info			<b>Not Chngd</b>	Not Chngd	Not Chngd
Sample Status				<b>ABNORMAL</b>	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>.2	<b>NEG</b>	NEG	NEG

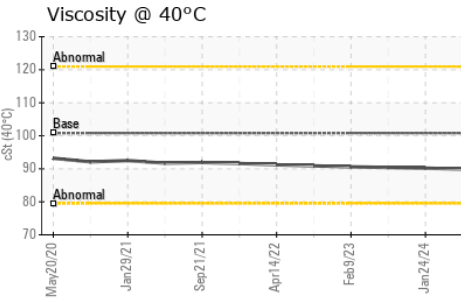
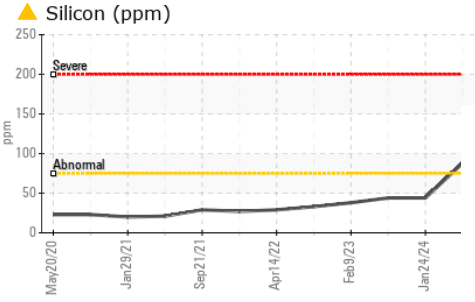
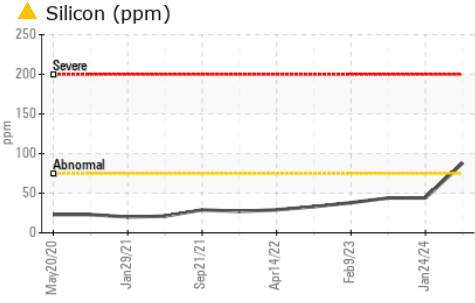
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	<b>382</b>	319	291
Chromium	ppm	ASTM D5185m	>10	<b>3</b>	2	2
Nickel	ppm	ASTM D5185m	>10	<b>4</b>	8	7
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	4	3
Lead	ppm	ASTM D5185m	>25	<b>▲ 14</b>	0	0
Copper	ppm	ASTM D5185m	>100	<b>▲ 136</b>	4	4
Tin	ppm	ASTM D5185m	>10	<b>▲ 13</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	229	<b>154</b>	232	255
Barium	ppm	ASTM D5185m	<1	<b>&lt;1</b>	1	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>11</b>	14	14
Magnesium	ppm	ASTM D5185m	<1	<b>1</b>	2	0
Calcium	ppm	ASTM D5185m		<b>9</b>	13	9
Phosphorus	ppm	ASTM D5185m	1355	<b>1603</b>	1535	1495
Zinc	ppm	ASTM D5185m		<b>29</b>	21	18
Sulfur	ppm	ASTM D5185m	22698	<b>28363</b>	26654	27520

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	<b>▲ 88</b>	44	44
Sodium	ppm	ASTM D5185m		<b>10</b>	9	10
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	6	4

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

# OIL ANALYSIS REPORT

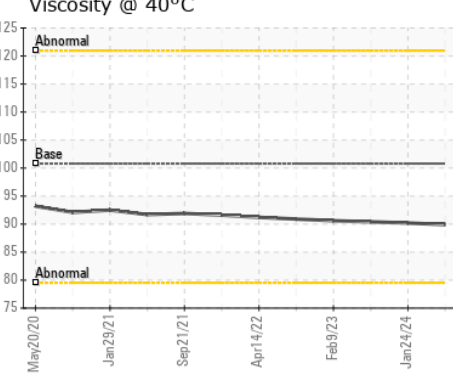
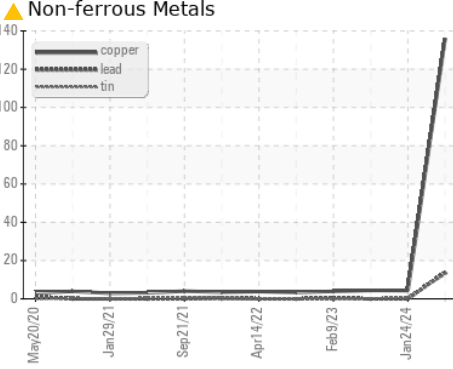
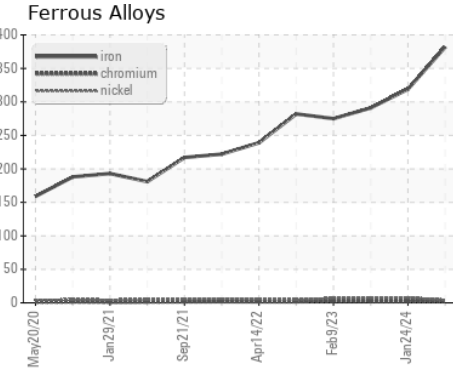


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	100.8	<b>89.9</b>	90.2	90.4

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.** : PCA0106094  
**Lab Number** : **06174499**  
**Unique Number** : 11020552  
**Test Package** : FLEET

**Received** : 09 May 2024  
**Tested** : 10 May 2024  
**Diagnosed** : 13 May 2024 - Don Baldrige

**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: