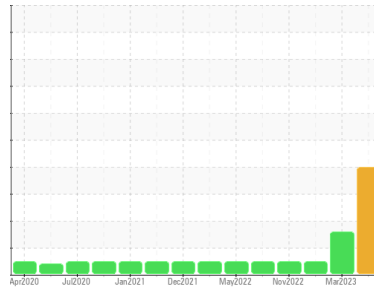


OIL ANALYSIS REPORT

Sample Rating Trend



DIRT



Machine Id
Volvo Vnr 26665 (S/N 4V4WC9EH0RN218552)
 Component
Rear Differential
 Fluid
PETRO CANADA TRAXON SYNTHETIC 75W90 (--- QTS)

DIAGNOSIS

Recommendation

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

Wear

Gear wear is indicated.

Contamination

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

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	PCA0105537	PCA0095522	PCA0085284
Sample Date	Client Info	17 Jan 2024	30 Mar 2023	04 Jan 2023
Machine Age	mls	Client Info	438672	414887
Oil Age	mls	Client Info	438672	414887
Oil Changed	Client Info	N/A	Not Changd	Not Changd
Sample Status		ABNORMAL	ABNORMAL	NORMAL

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >500	▲ 987	▲ 546	249
Chromium	ppm ASTM D5185m >10	8	5	3
Nickel	ppm ASTM D5185m >10	▲ 47	▲ 31	15
Titanium	ppm ASTM D5185m	2	2	<1
Silver	ppm ASTM D5185m	0	0	0
Aluminum	ppm ASTM D5185m >25	● 34	24	10
Lead	ppm ASTM D5185m >25	<1	0	0
Copper	ppm ASTM D5185m >100	7	4	2
Tin	ppm ASTM D5185m >10	0	<1	<1
Vanadium	ppm ASTM D5185m	<1	<1	<1
Cadmium	ppm ASTM D5185m	<1	<1	<1

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 328	225	324	219
Barium	ppm ASTM D5185m 1	3	3	0
Molybdenum	ppm ASTM D5185m	1	1	<1
Manganese	ppm ASTM D5185m	21	18	12
Magnesium	ppm ASTM D5185m 1	13	9	5
Calcium	ppm ASTM D5185m 7	37	26	21
Phosphorus	ppm ASTM D5185m 1145	1612	1606	1361
Zinc	ppm ASTM D5185m 3	49	38	22
Sulfur	ppm ASTM D5185m 17909	27826	27019	23158

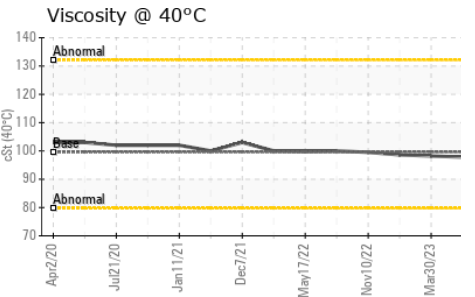
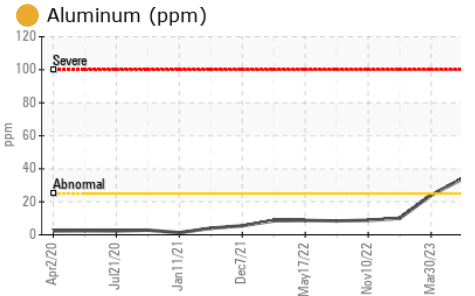
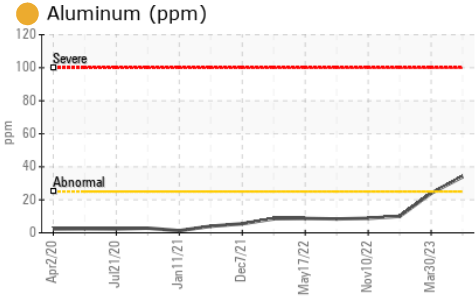
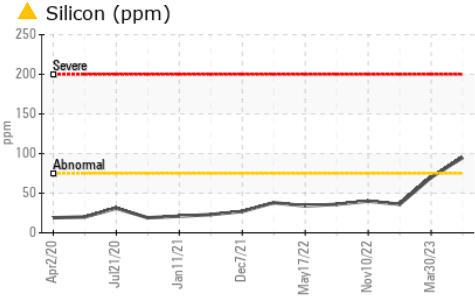
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >75	▲ 95	70	36
Sodium	ppm ASTM D5185m	15	14	10
Potassium	ppm ASTM D5185m >20	7	5	2

VISUAL

method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	NONE	MODER	NONE
Yellow Metal	scalar *Visual NONE	NONE	NONE	NONE
Precipitate	scalar *Visual NONE	NONE	NONE	NONE
Silt	scalar *Visual NONE	MODER	MODER	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

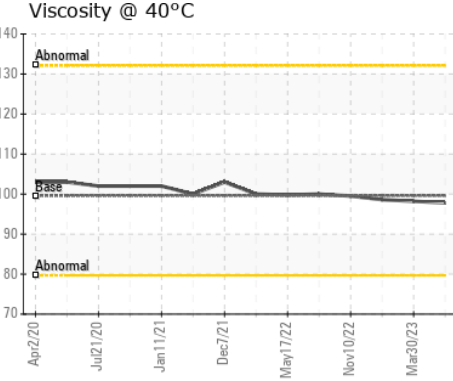
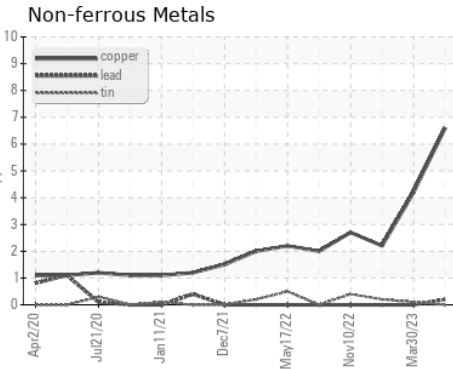
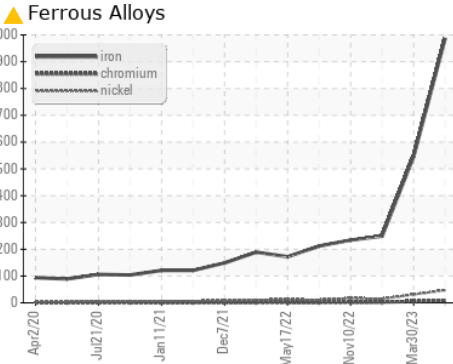


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	99.6	97.8	98.2	98.6

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. : PCA0105537
Lab Number : 06174481
Unique Number : 11020534
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: