



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

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

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0095522	PCA0085284	PCA0081181
Sample Date		Client Info		30 Mar 2023	04 Jan 2023	10 Nov 2022
Machine Age	mls	Client Info		438672	414887	398428
Oil Age	mls	Client Info		438672	414887	22826
Filter Age	mls	Client Info		0	398428	22826
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

Gear wear is indicated.

Iron	ppm	ASTM D5185m	>500	▲ 546	249	234
Chromium	ppm	ASTM D5185m	>10	5	3	2
Nickel	ppm	ASTM D5185m	>10	▲ 31	15	17
Titanium	ppm	ASTM D5185m		2	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	24	10	9
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>100	4	2	3
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	MODER	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

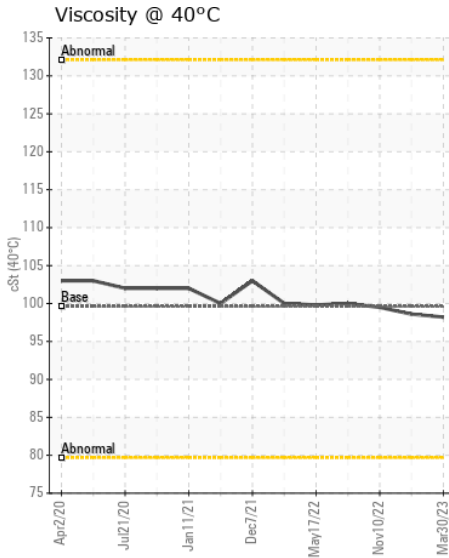
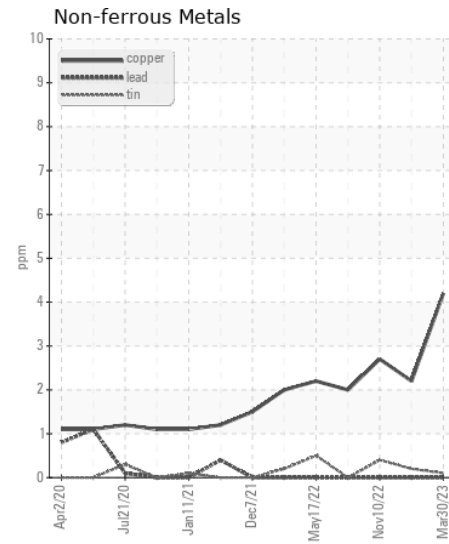
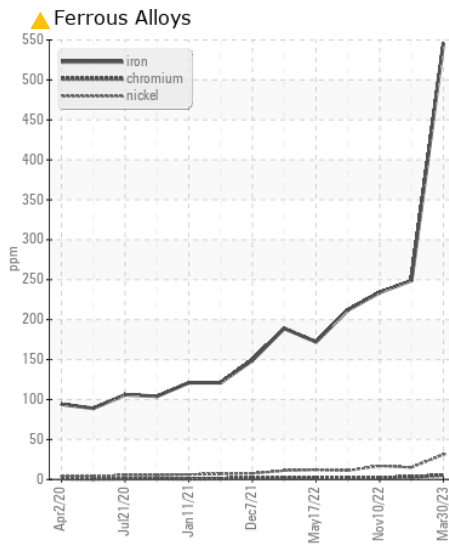
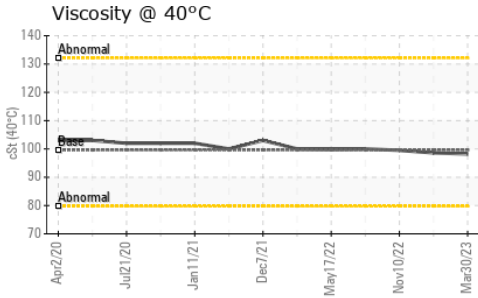
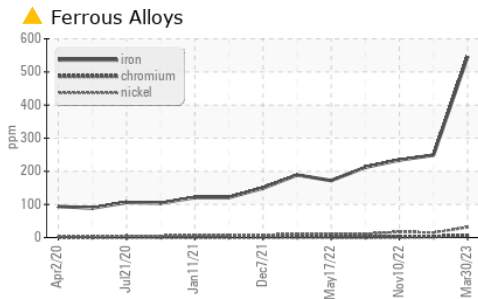
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	70	36	40
Potassium	ppm	ASTM D5185m	>20	5	2	1
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	MODER	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

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		14	10	11
Boron	ppm	ASTM D5185m	328	324	219	249
Barium	ppm	ASTM D5185m	1	3	0	0
Molybdenum	ppm	ASTM D5185m		1	<1	<1
Manganese	ppm	ASTM D5185m		18	12	13
Magnesium	ppm	ASTM D5185m	1	9	5	4
Calcium	ppm	ASTM D5185m	7	26	21	21
Phosphorus	ppm	ASTM D5185m	1145	1606	1361	1333
Zinc	ppm	ASTM D5185m	3	38	22	3
Sulfur	ppm	ASTM D5185m	17909	27019	23158	24724
Visc @ 40°C	cSt	ASTM D445	99.6	98.2	98.6	99.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0095522 **Received** : 09 May 2024
Lab Number : 06174485 **Tested** : 10 May 2024
Unique Number : 11020538 **Diagnosed** : 13 May 2024 - 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)

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