



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
VOLVO 26466
 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		PCA0105541	PCA0100550	PCA0081185
Sample Date		Client Info		27 Dec 2023	27 Jun 2023	01 Nov 2022
Machine Age	mls	Client Info		625939	592223	544730
Oil Age	mls	Client Info		625939	592223	544730
Filter Age	mls	Client Info		0	0	544730
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Changed	Changed	Not Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	390	399	359
Chromium	ppm	ASTM D5185m	>10	3	3	2
Nickel	ppm	ASTM D5185m	>10	9	9	9
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	9	8	9
Lead	ppm	ASTM D5185m	>25	<1	<1	0
Copper	ppm	ASTM D5185m	>100	5	4	4
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

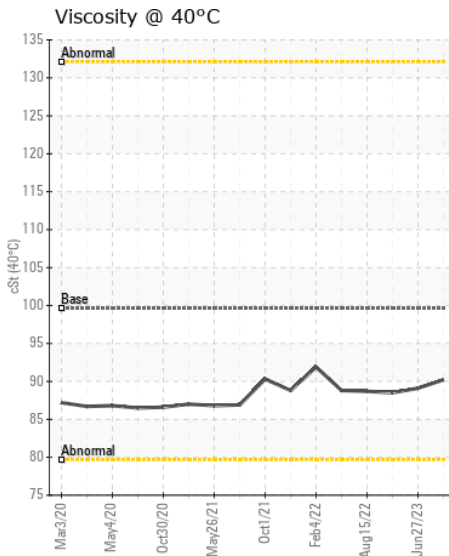
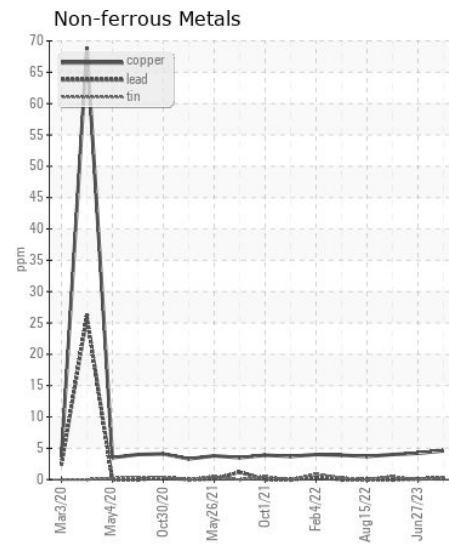
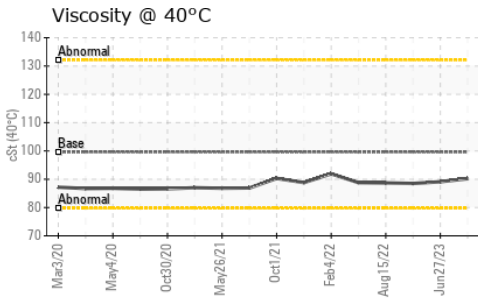
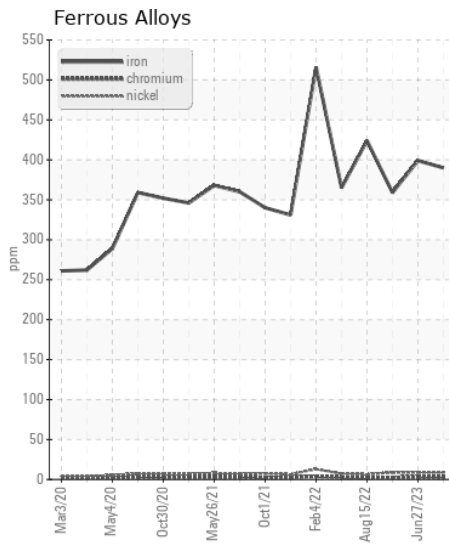
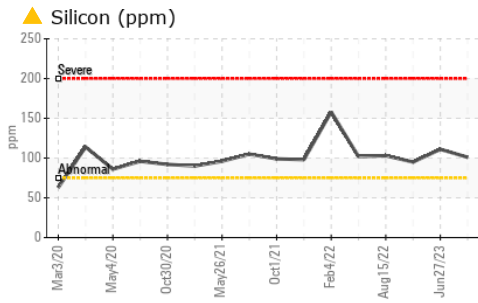
Elemental level of silicon (Si) above normal.

Silicon	ppm	ASTM D5185m	>75	▲ 101	▲ 111	▲ 95
Potassium	ppm	ASTM D5185m	>20	8	7	6
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	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		9	10	10
Boron	ppm	ASTM D5185m	328	199	198	149
Barium	ppm	ASTM D5185m	1	1	0	0
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		10	11	10
Magnesium	ppm	ASTM D5185m	1	4	1	4
Calcium	ppm	ASTM D5185m	7	16	13	15
Phosphorus	ppm	ASTM D5185m	1145	1656	1554	1444
Zinc	ppm	ASTM D5185m	3	28	26	4
Sulfur	ppm	ASTM D5185m	17909	27902	28743	25056
Visc @ 40°C	cSt	ASTM D445	99.6	90.2	89.1	88.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0105541
Lab Number : 06174456
Unique Number : 11020509
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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