



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id

Volvo 26558

Component

Front Differential

Fluid

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

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0116038	PCA0099162	PCA0089381
Sample Date		Client Info		24 Jan 2024	23 May 2023	09 Feb 2023
Machine Age	mls	Client Info		433227	392039	375495
Oil Age	mls	Client Info		433227	392039	375495
Filter Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Changed	Not Changed	Not Changed
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	404	362	265
Chromium	ppm	ASTM D5185m	>10	3	3	2
Nickel	ppm	ASTM D5185m	>10	10	4	7
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	6
Aluminum	ppm	ASTM D5185m	>25	5	2	5
Lead	ppm	ASTM D5185m	>25	0	▲ 14	0
Copper	ppm	ASTM D5185m	>100	6	▲ 128	4
Tin	ppm	ASTM D5185m	>10	<1	▲ 13	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

There is no indication of any contamination in the oil.

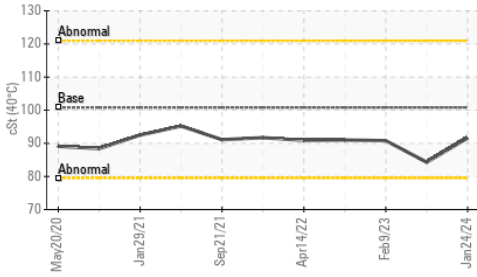
Silicon	ppm	ASTM D5185m	>75	54	▲ 96	33
Potassium	ppm	ASTM D5185m	>20	7	4	5
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	NEG	NEG	NEG

FLUID CONDITION

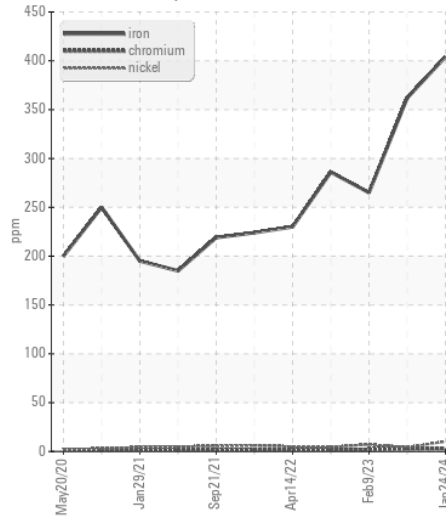
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		13	12	7
Boron	ppm	ASTM D5185m	229	305	163	206
Barium	ppm	ASTM D5185m	<1	2	0	<1
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		18	11	12
Magnesium	ppm	ASTM D5185m	<1	2	0	2
Calcium	ppm	ASTM D5185m		17	9	10
Phosphorus	ppm	ASTM D5185m	1355	2078	1481	1389
Zinc	ppm	ASTM D5185m		31	22	23
Sulfur	ppm	ASTM D5185m	22698	33977	28698	24914
Visc @ 40°C	cSt	ASTM D445	100.8	91.6	84.3	90.8

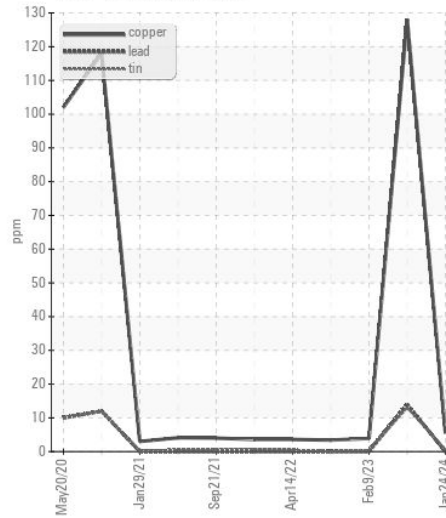
Viscosity @ 40°C



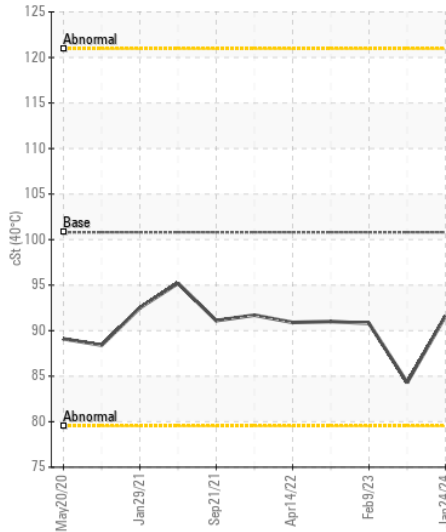
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0116038
Lab Number : 06174491
Unique Number : 11020544
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: