



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
VOLVO VN12 26594 (S/N 4V4WC9EH1JN598492)

Component
Front Differential

Fluid
PETRO CANADA TRAXON SYNTHETIC 75W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0095528	PCA0105547	PCA0100532
Sample Date		Client Info		03 May 2024	29 Sep 2023	28 Jun 2023
Machine Age	mls	Client Info		0	518714	495844
Oil Age	mls	Client Info		15000	518714	495844
Filter Age	mls	Client Info		15000	0	0
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Filter Changed		Client Info		Not Changd	N/A	N/A
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	422	460	454
Chromium	ppm	ASTM D5185m	>10	3	3	3
Nickel	ppm	ASTM D5185m	>10	10	6	11
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	8	4	8
Lead	ppm	ASTM D5185m	>25	2	▲ 47	0
Copper	ppm	ASTM D5185m	>100	6	41	3
Tin	ppm	ASTM D5185m	>10	<1	2	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
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.

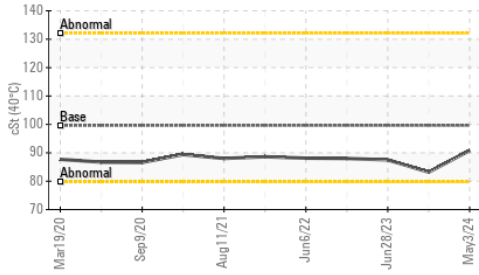
Silicon	ppm	ASTM D5185m	>75	73	62	▲ 81
Potassium	ppm	ASTM D5185m	>20	8	6	6
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	NEG	NEG	NEG

FLUID CONDITION

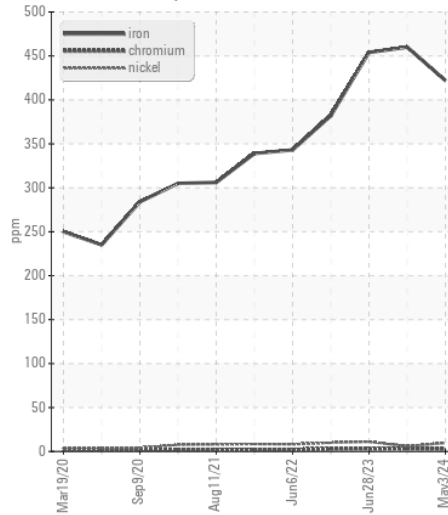
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		20	12	22
Boron	ppm	ASTM D5185m	328	185	181	180
Barium	ppm	ASTM D5185m	1	7	2	2
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		12	13	13
Magnesium	ppm	ASTM D5185m	1	4	2	2
Calcium	ppm	ASTM D5185m	7	37	10	17
Phosphorus	ppm	ASTM D5185m	1145	1563	1566	1485
Zinc	ppm	ASTM D5185m	3	31	52	30
Sulfur	ppm	ASTM D5185m	17909	26134	26577	27424
Visc @ 40°C	cSt	ASTM D445	99.6	90.8	83.2	87.5

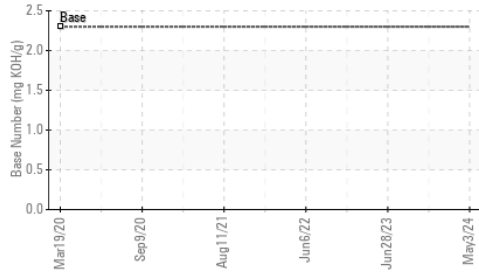
Viscosity @ 40°C



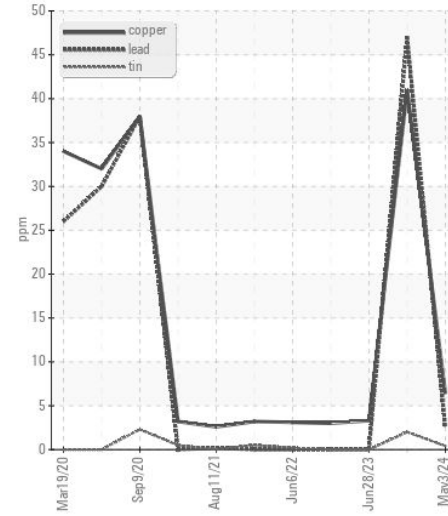
Ferrous Alloys



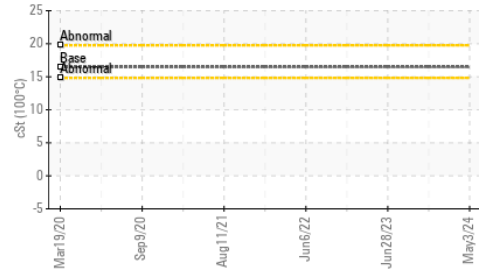
Base Number



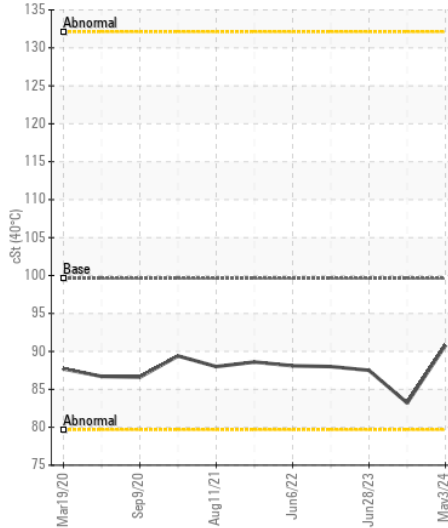
Non-ferrous Metals



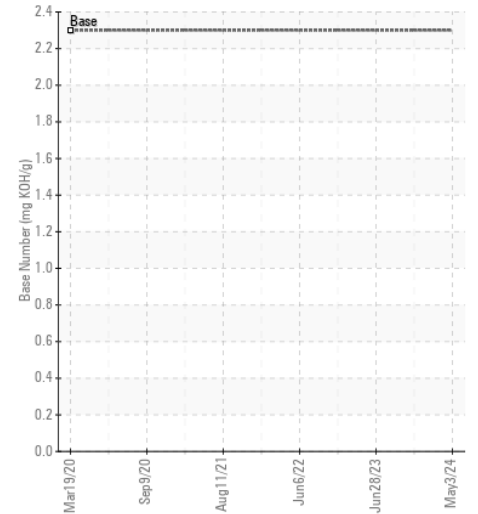
Viscosity @ 100°C



Viscosity @ 40°C



Base Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0095528 **Received** : 09 May 2024
Lab Number : 06174452 **Tested** : 13 May 2024
Unique Number : 11020505 **Diagnosed** : 13 May 2024 - Don Baldrige
Test Package : FLEET (Additional Tests: FT-IR, KV100, TBN)

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: