



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area

**FLEET**

Machine Id

**VOLVO 2126958 (S/N 4V4NC9EH6NN603260)**

Component

**Diesel Engine**

Fluid

**PETRO CANADA DURON SHP 10W30 (42 QTS)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PCA0118703</b>	PCA0105984	PCA0099309
Sample Date		Client Info		<b>14 Feb 2024</b>	02 Nov 2023	24 Aug 2023
Machine Age	mls	Client Info		<b>142521</b>	121092	101194
Oil Age	mls	Client Info		<b>21429</b>	41191	21293
Filter Age	mls	Client Info		<b>21429</b>	19898	21293
Oil Changed		Client Info		<b>Not Chngd</b>	Changed	Not Chngd
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>19</b>	19	12
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>2	<b>&lt;1</b>	0	<1
Aluminum	ppm	ASTM D5185m	>25	<b>3</b>	4	4
Lead	ppm	ASTM D5185m	>40	<b>&lt;1</b>	2	0
Copper	ppm	ASTM D5185m	>330	<b>33</b>	29	20
Tin	ppm	ASTM D5185m	>15	<b>2</b>	2	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

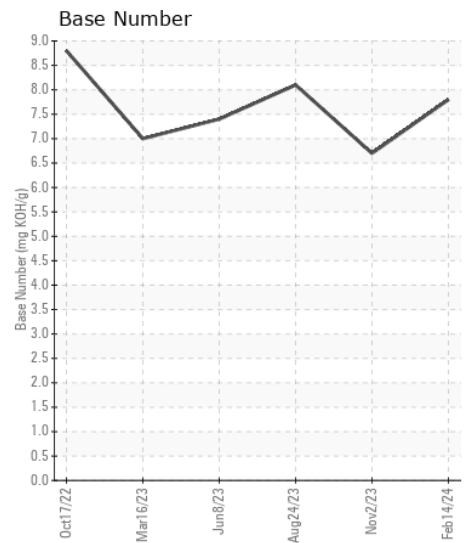
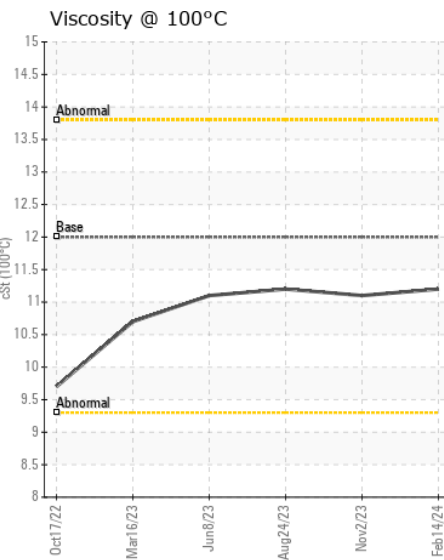
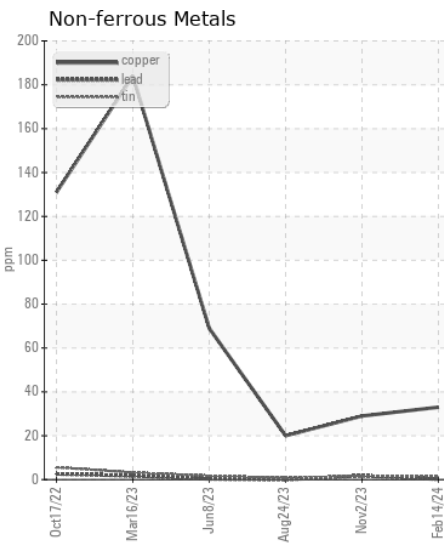
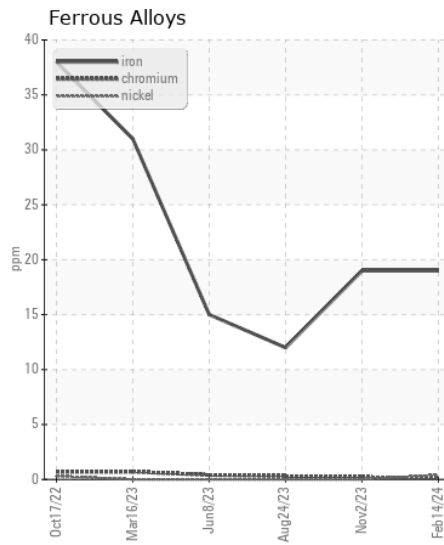
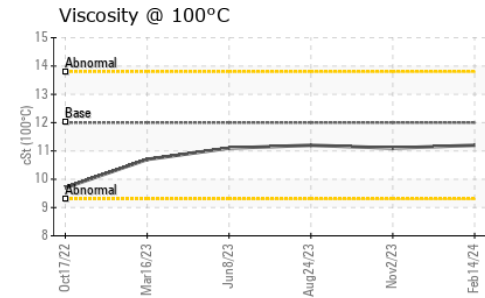
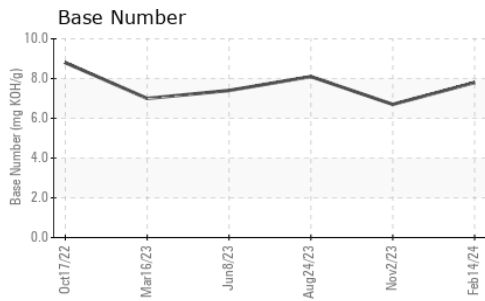
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>5</b>	6	4
Potassium	ppm	ASTM D5185m	>20	<b>7</b>	10	6
Fuel		WC Method	>6.0	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844	>3	<b>0.4</b>	0.5	0.3
Nitration	Abs/cm	*ASTM D7624	>20	<b>8.4</b>	9.4	7.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>19.2</b>	20.8	19.4
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>2</b>	2	<1
Boron	ppm	ASTM D5185m	2	<b>4</b>	<1	2
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	50	<b>61</b>	58	59
Manganese	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	950	<b>935</b>	1009	997
Calcium	ppm	ASTM D5185m	1050	<b>1033</b>	1083	1118
Phosphorus	ppm	ASTM D5185m	995	<b>1016</b>	942	1064
Zinc	ppm	ASTM D5185m	1180	<b>1232</b>	1303	1311
Sulfur	ppm	ASTM D5185m	2600	<b>2917</b>	2747	3715
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>14.9</b>	16.5	14.8
Base Number (BN)	mg KOH/g	ASTM D2896		<b>7.8</b>	6.7	8.1
Visc @ 100°C	cSt	ASTM D445	12.00	<b>11.2</b>	11.1	11.2



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : PCA0118703

**Lab Number** : 06098120

**Unique Number** : 10896350

**Test Package** : FLEET

**Received** : 23 Feb 2024

**Tested** : 25 Feb 2024

**Diagnosed** : 25 Feb 2024 - Wes Davis

**PERDUE FARMS - ACCOMAC**

22520 LANKFORD HWY

ACCOMAC, VA

US 23301

Contact: PEGGY KIMES

peggy.kimes@perdue.com

T: (757)787-5304

F: (757)787-5208

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)