



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

Area

**FLEET**

Machine Id

**VOLVO VN 7993 (S/N 4V4MC9EG4EN173845)**

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>PCA0124510</b>	PCA0113704	PCA0105991
Sample Date		Client Info		<b>16 May 2024</b>	18 Jan 2024	19 Oct 2023
Machine Age	mls	Client Info		<b>728823</b>	700155	684088
Oil Age	mls	Client Info		<b>28668</b>	32550	16483
Filter Age	mls	Client Info		<b>15268</b>	16067	16483
Oil Changed		Client Info		<b>Changed</b>	Changed	Not Changed
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>20</b>	40	19
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	2	<1
Nickel	ppm	ASTM D5185m	>2	<b>&lt;1</b>	1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>19</b>	14	5
Lead	ppm	ASTM D5185m	>40	<b>2</b>	1	0
Copper	ppm	ASTM D5185m	>330	<b>3</b>	5	4
Tin	ppm	ASTM D5185m	>15	<b>1</b>	1	<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**

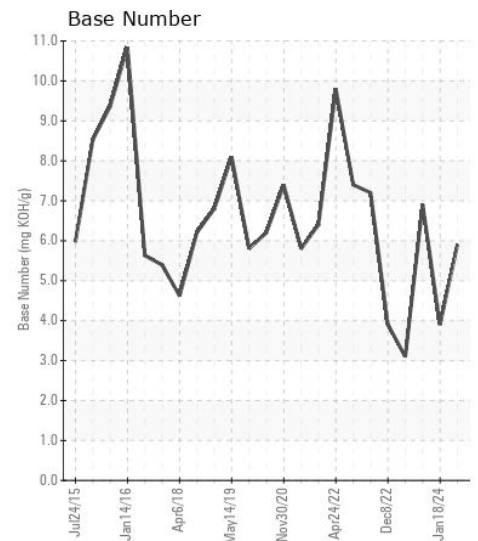
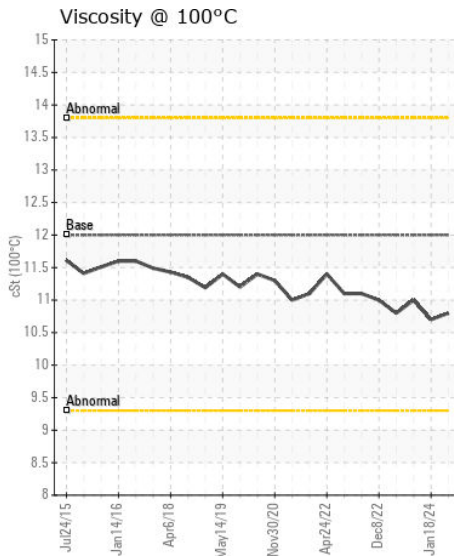
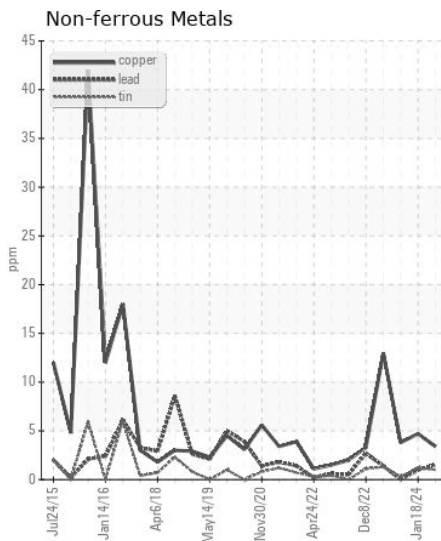
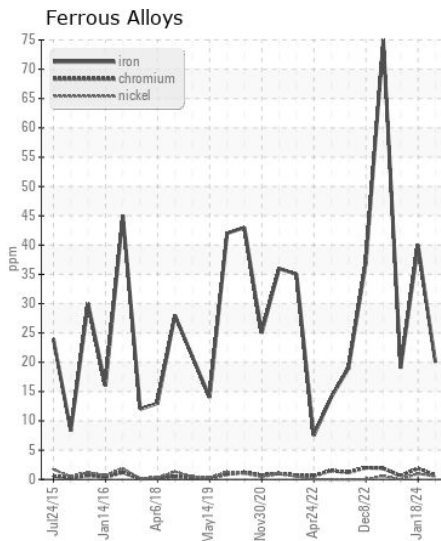
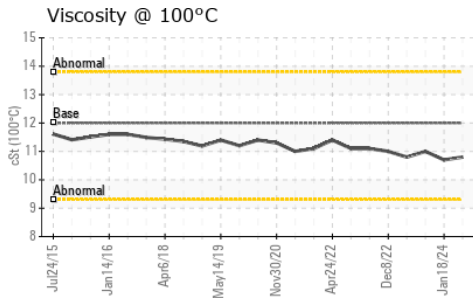
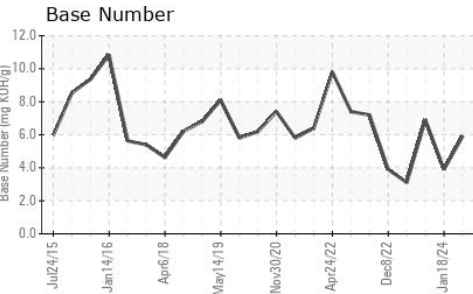
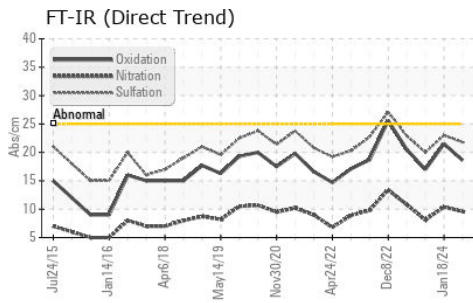
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>7</b>	10	6
Potassium	ppm	ASTM D5185m	>20	<b>5</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>	0.4	0.2
Nitration	Abs/cm	*ASTM D7624	>20	<b>9.6</b>	10.4	8.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>21.8</b>	23.0	20.0
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>14</b>	15	8
Boron	ppm	ASTM D5185m	2	<b>0</b>	0	0
Barium	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m	50	<b>57</b>	58	57
Manganese	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	950	<b>913</b>	1048	974
Calcium	ppm	ASTM D5185m	1050	<b>1046</b>	1129	1067
Phosphorus	ppm	ASTM D5185m	995	<b>1055</b>	985	991
Zinc	ppm	ASTM D5185m	1180	<b>1223</b>	1227	1268
Sulfur	ppm	ASTM D5185m	2600	<b>2820</b>	2480	2809
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>18.6</b>	21.5	17.0
Base Number (BN)	mg KOH/g	ASTM D2896		<b>5.9</b>	3.9	6.9
Visc @ 100°C	cSt	ASTM D445	12.00	<b>10.8</b>	10.7	11.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0124510 **Received** : 23 May 2024  
**Lab Number** : 06188779 **Tested** : 31 May 2024  
**Unique Number** : 11045531 **Diagnosed** : 31 May 2024 - Wes Davis  
**Test Package** : FLEET

**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)