



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

Machine Id  
**VOLVO 26410**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON SHP 10W30 (33 QTS)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PCA0094629</b>	PCA0094588	PCA0052368
Sample Date		Client Info		<b>01 May 2024</b>	14 Nov 2023	26 Jan 2023
Machine Age	mls	Client Info		<b>633775</b>	610669	586079
Oil Age	mls	Client Info		<b>23106</b>	24590	36309
Filter Age	mls	Client Info		<b>23106</b>	24590	36309
Oil Changed		Client Info		<b>Changed</b>	Changed	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>36</b>	35	38
Chromium	ppm	ASTM D5185m	>20	<b>1</b>	<1	1
Nickel	ppm	ASTM D5185m	>2	<b>1</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>17</b>	15	13
Lead	ppm	ASTM D5185m	>40	<b>&lt;1</b>	0	1
Copper	ppm	ASTM D5185m	>330	<b>7</b>	4	4
Tin	ppm	ASTM D5185m	>15	<b>1</b>	0	1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

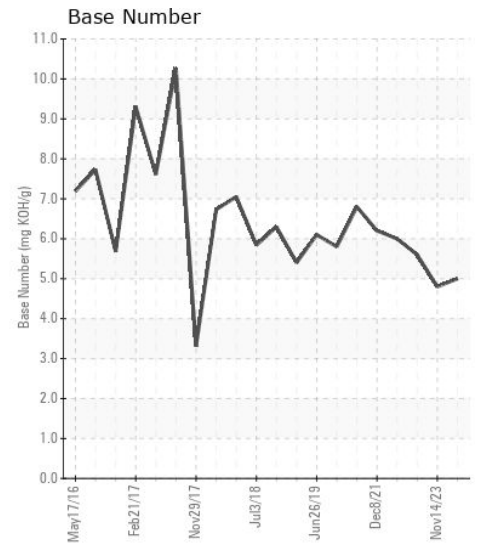
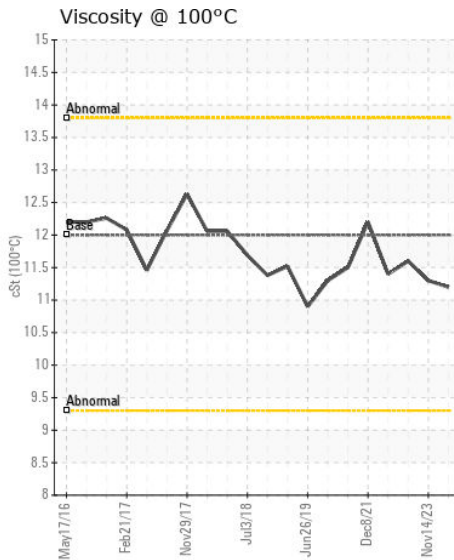
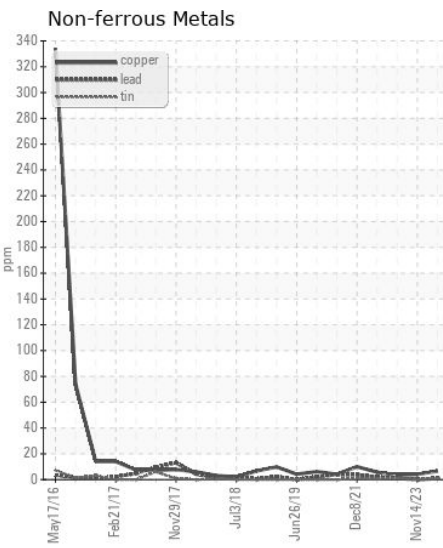
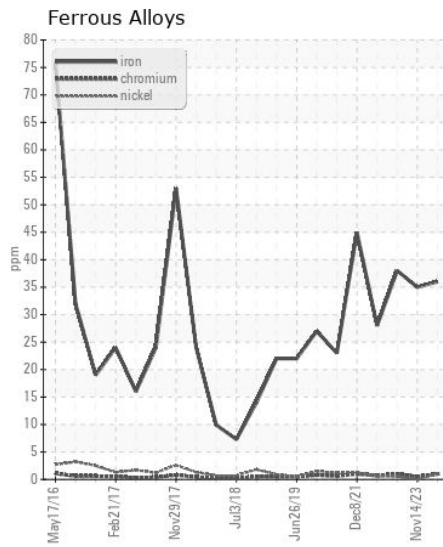
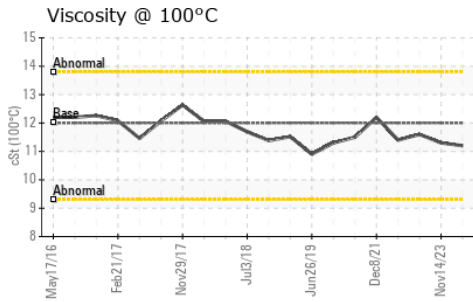
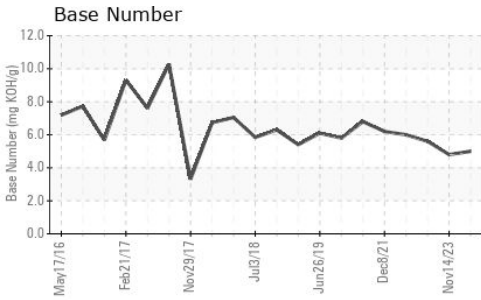
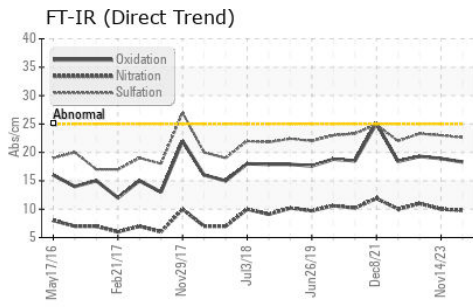
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>9</b>	10	11
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	3	<1
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>0.8</b>	0.8	1.1
Nitration	Abs/cm	*ASTM D7624	>20	<b>9.8</b>	10.0	11.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>22.6</b>	23.0	23.3
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>8</b>	15	13
Boron	ppm	ASTM D5185m	2	<b>8</b>	0	1
Barium	ppm	ASTM D5185m	0	<b>2</b>	2	0
Molybdenum	ppm	ASTM D5185m	50	<b>71</b>	62	60
Manganese	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185m	950	<b>889</b>	915	909
Calcium	ppm	ASTM D5185m	1050	<b>1137</b>	1077	1048
Phosphorus	ppm	ASTM D5185m	995	<b>1047</b>	943	905
Zinc	ppm	ASTM D5185m	1180	<b>1191</b>	1177	1216
Sulfur	ppm	ASTM D5185m	2600	<b>2741</b>	2396	2828
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>18.3</b>	18.9	19.3
Base Number (BN)	mg KOH/g	ASTM D2896		<b>5.0</b>	4.8	5.6
Visc @ 100°C	cSt	ASTM D445	12.00	<b>11.2</b>	11.3	11.6



Certificate L2367

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

**Sample No.** : PCA0094629

**Lab Number** : 06176606

**Unique Number** : 11022659

**Test Package** : FLEET

**Received** : 10 May 2024

**Tested** : 13 May 2024

**Diagnosed** : 13 May 2024 - Wes Davis

**PERDUE FARMS - WASHINGTON**

P.O. BOX 539

WASHINGTON, IN

US 47501

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F:

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)