



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

Machine Id  
**VOLVO 26606**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON SHP 10W30 (38 QTS)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PCA0094601</b>	PCA0052353	PCA0052362
Sample Date		Client Info		<b>02 Jan 2024</b>	04 Apr 2023	18 Jan 2023
Machine Age	mls	Client Info		<b>653284</b>	634094	611329
Oil Age	mls	Client Info		<b>19190</b>	22765	24221
Filter Age	mls	Client Info		<b>19190</b>	22765	24221
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>38</b>	23	40
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>2	<b>0</b>	<1	<1
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	2	3
Lead	ppm	ASTM D5185m	>40	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>330	<b>10</b>	5	6
Tin	ppm	ASTM D5185m	>15	<b>0</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**

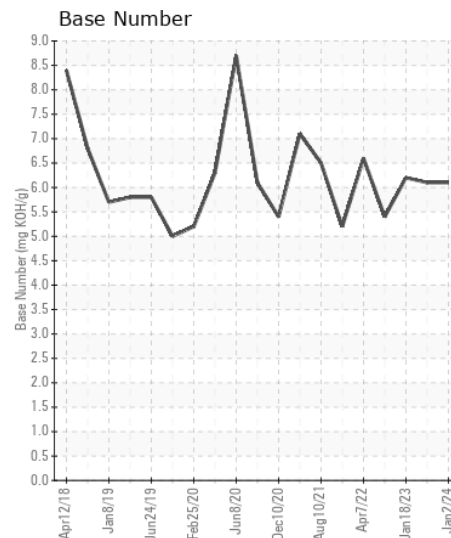
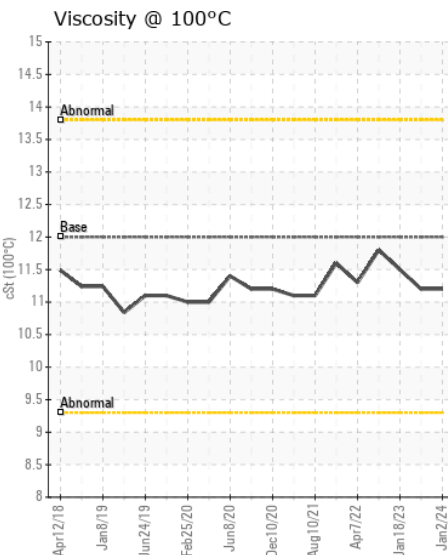
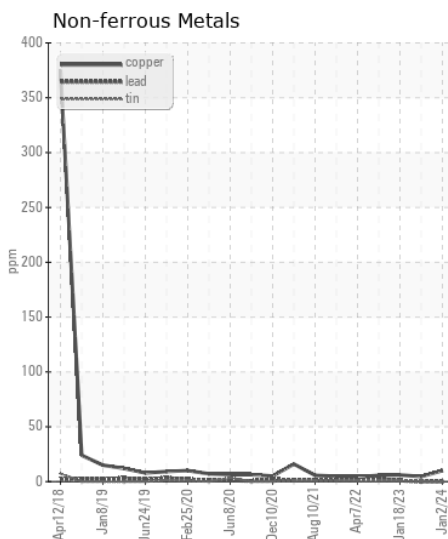
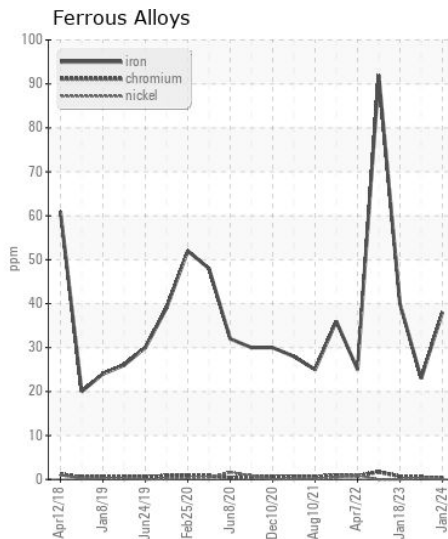
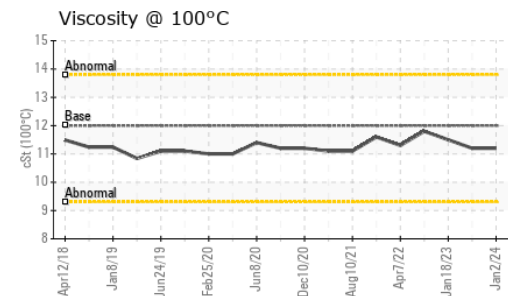
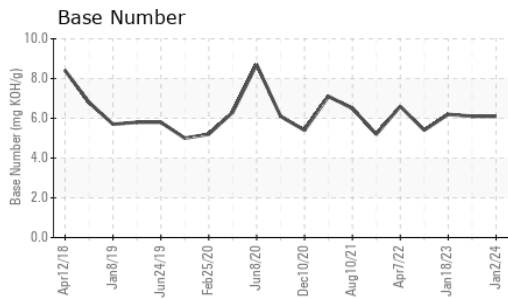
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>5</b>	2	5
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	2	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>0.7</b>	0.6	0.8
Nitration	Abs/cm	*ASTM D7624	>20	<b>9.8</b>	9.1	10.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>21.3</b>	19.3	21.9
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>13</b>	13	16
Boron	ppm	ASTM D5185m	2	<b>&lt;1</b>	<1	1
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	50	<b>61</b>	63	62
Manganese	ppm	ASTM D5185m	0	<b>&lt;1</b>	1	<1
Magnesium	ppm	ASTM D5185m	950	<b>933</b>	963	949
Calcium	ppm	ASTM D5185m	1050	<b>1101</b>	1114	1070
Phosphorus	ppm	ASTM D5185m	995	<b>959</b>	1035	944
Zinc	ppm	ASTM D5185m	1180	<b>1221</b>	1266	1251
Sulfur	ppm	ASTM D5185m	2600	<b>3140</b>	3357	3051
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>16.5</b>	16.3	18.3
Base Number (BN)	mg KOH/g	ASTM D2896		<b>6.1</b>	6.1	6.2
Visc @ 100°C	cSt	ASTM D445	12.00	<b>11.2</b>	11.2	11.5



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0094601 **Recieved** : 12 Jan 2024  
**Lab Number** : 06059893 **Diagnosed** : 16 Jan 2024  
**Unique Number** : 10831275 **Diagnostician** : Wes Davis  
**Test Package** : FLEET

**PERDUE FARMS - WASHINGTON**  
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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)