



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

Machine Id  
**VOLVO 26622 (S/N 4V4WB9EH9JN896038)**  
 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>PCA0106381</b>	PCA0106351	PCA0092447
Sample Date		Client Info		<b>29 Apr 2024</b>	03 Dec 2023	05 Jun 2023
Machine Age	mls	Client Info		<b>0</b>	391125	0
Oil Age	mls	Client Info		<b>0</b>	40000	0
Filter Age	mls	Client Info		<b>0</b>	20000	0
Oil Changed		Client Info		<b>N/A</b>	Changed	N/A
Filter Changed		Client Info		<b>N/A</b>	Changed	N/A
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	<b>41</b>	▲ 113	21
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	3	<1
Nickel	ppm	ASTM D5185m	>2	<b>3</b>	▲ 5	<1
Titanium	ppm	ASTM D5185m		<b>15</b>	2	2
Silver	ppm	ASTM D5185m	>2	<b>&lt;1</b>	<1	0
Aluminum	ppm	ASTM D5185m	>25	<b>8</b>	16	3
Lead	ppm	ASTM D5185m	>40	<b>2</b>	3	0
Copper	ppm	ASTM D5185m	>330	<b>4</b>	9	3
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	2	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

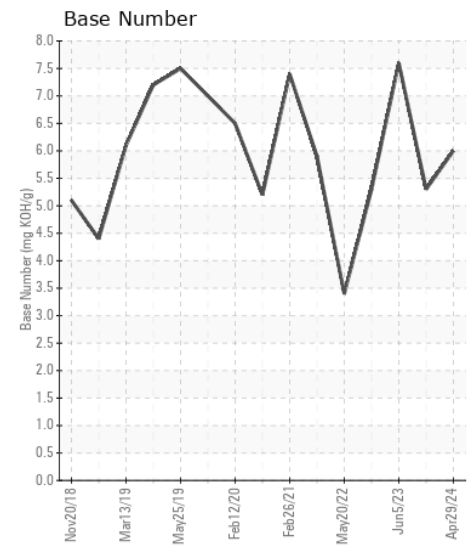
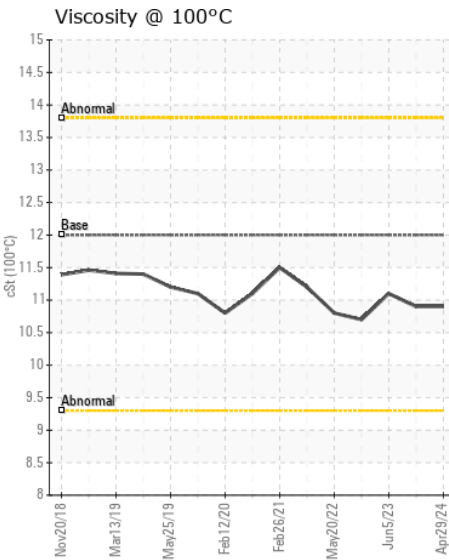
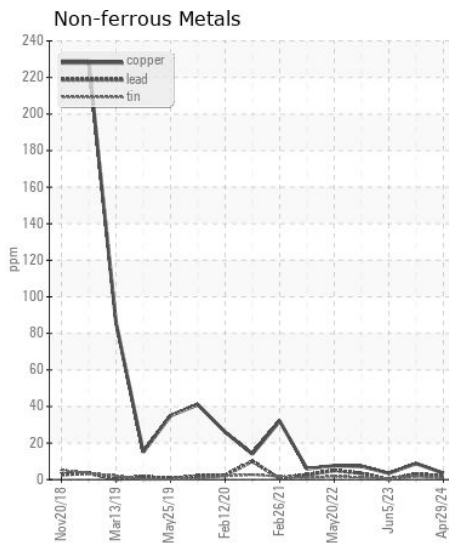
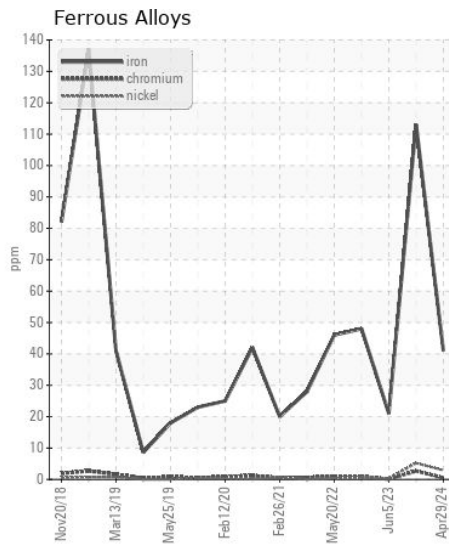
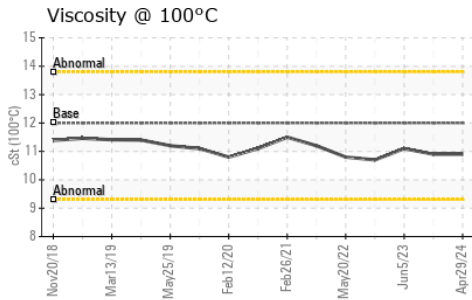
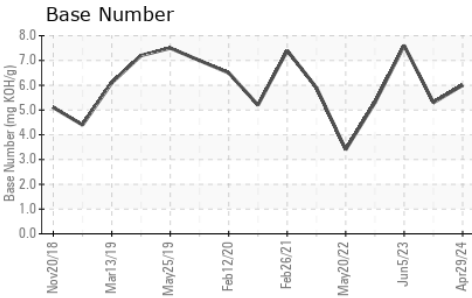
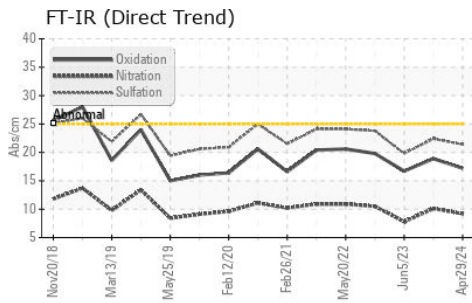
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>5</b>	7	3
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	8	3
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>0.5</b>	0.7	0.4
Nitration	Abs/cm	*ASTM D7624	>20	<b>9.2</b>	10.1	7.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>21.4</b>	22.4	19.8
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>9</b>	10	8
Boron	ppm	ASTM D5185m	2	<b>7</b>	0	<1
Barium	ppm	ASTM D5185m	0	<b>0</b>	11	0
Molybdenum	ppm	ASTM D5185m	50	<b>47</b>	56	55
Manganese	ppm	ASTM D5185m	0	<b>&lt;1</b>	2	<1
Magnesium	ppm	ASTM D5185m	950	<b>828</b>	846	904
Calcium	ppm	ASTM D5185m	1050	<b>1281</b>	1026	1113
Phosphorus	ppm	ASTM D5185m	995	<b>1004</b>	862	960
Zinc	ppm	ASTM D5185m	1180	<b>1232</b>	1148	1202
Sulfur	ppm	ASTM D5185m	2600	<b>3431</b>	2837	3421
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>17.2</b>	18.9	16.7
Base Number (BN)	mg KOH/g	ASTM D2896		<b>6.0</b>	5.3	7.6
Visc @ 100°C	cSt	ASTM D445	12.00	<b>10.9</b>	10.9	11.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0106381  
**Lab Number** : 06175289  
**Unique Number** : 11021342  
**Test Package** : FLEET  
**Received** : 10 May 2024  
**Tested** : 13 May 2024  
**Diagnosed** : 13 May 2024 - Don Baldrige

**PERDUE FARMS - SALISBURY**  
 7036 ZION CHURCH ROAD  
 SALISBURY, MD  
 US 21802  
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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)