

Machine Id  
**42**  
Component  
**Natural Gas Engine**  
Fluid  
**PETRO CANADA SENTRON LD 3000 (--- GAL)**

**RECOMMENDATION**

We advise that you check for the source of the coolant leak. Check for low coolant level. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition.

**WEAR**

All component wear rates are normal.

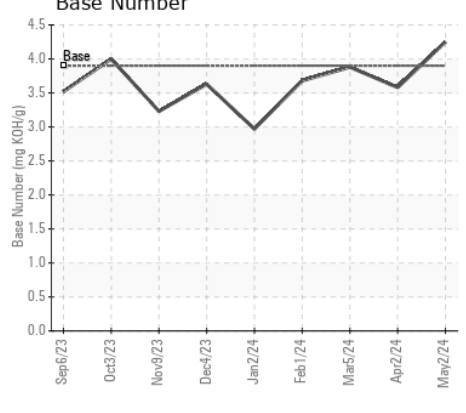
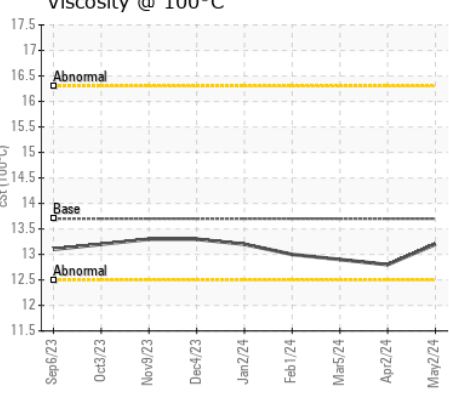
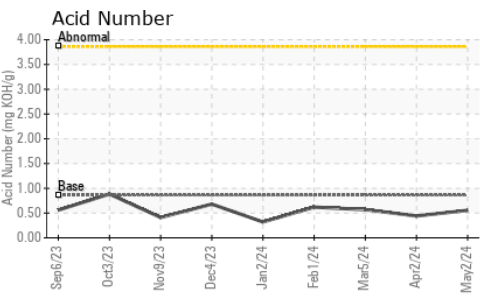
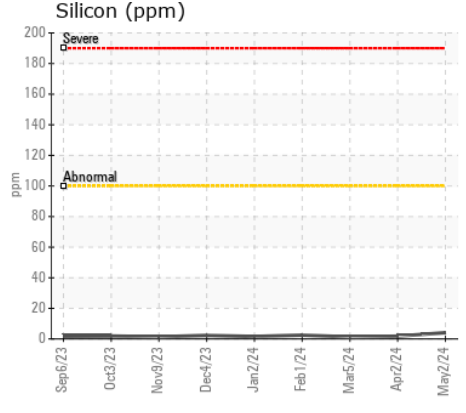
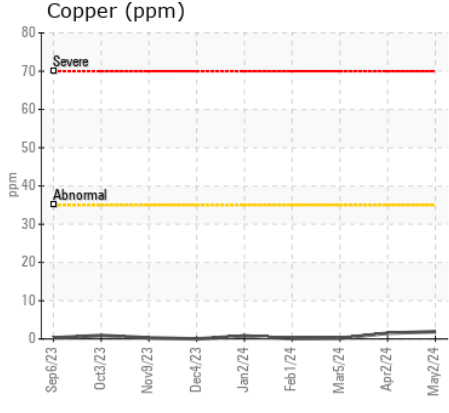
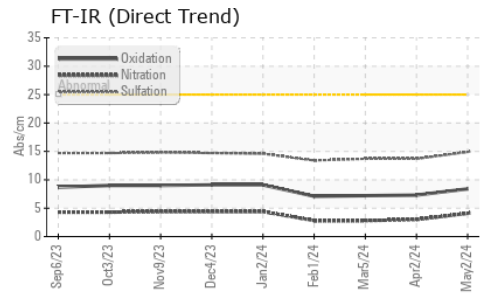
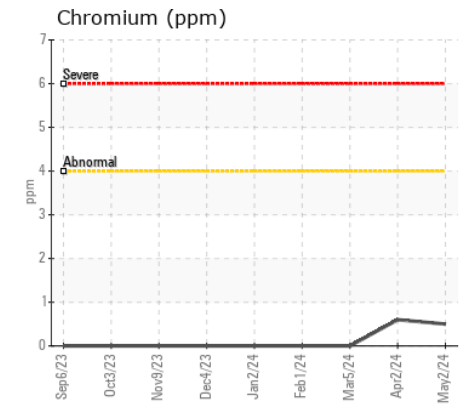
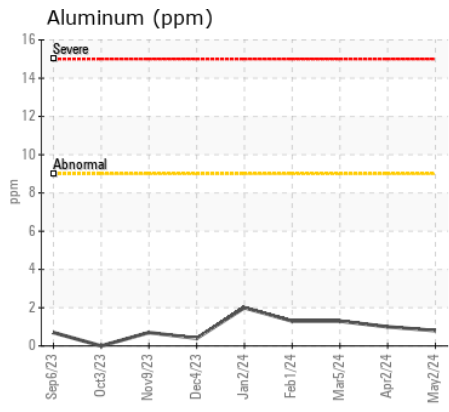
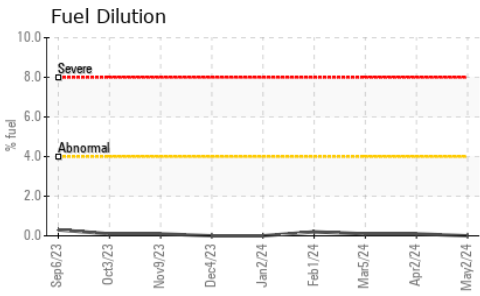
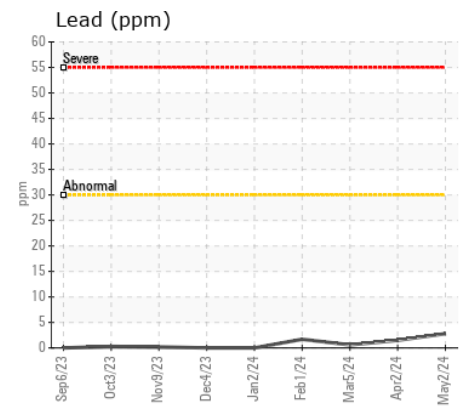
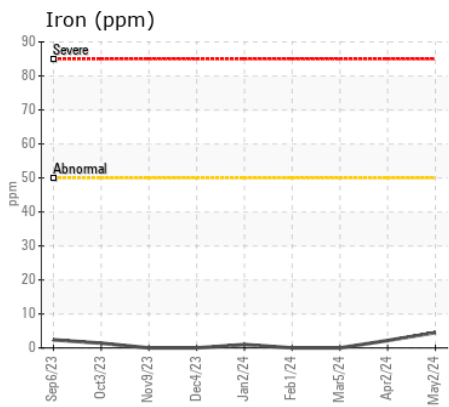
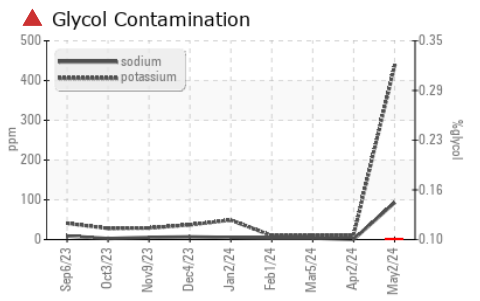
**CONTAMINATION**

Fuel content negligible. Sodium and/or potassium levels are high. Test for glycol is positive. There is a high concentration of glycol present in the oil.

**FLUID CONDITION**

The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PCA0111893</b>	PCA0111992	PCA0111921
Sample Date		Client Info		<b>02 May 2024</b>	02 Apr 2024	05 Mar 2024
Machine Age	hrs	Client Info		<b>98190</b>	97500	97500
Oil Age	hrs	Client Info		<b>690</b>	283	283
Filter Age	hrs	Client Info		<b>690</b>	283	283
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Sample Status				<b>SEVERE</b>	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>50	<b>4</b>	2	0
Chromium	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185m	>2	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>9	<b>&lt;1</b>	1	1
Lead	ppm	ASTM D5185m	>30	<b>3</b>	2	<1
Copper	ppm	ASTM D5185m	>35	<b>2</b>	2	<1
Tin	ppm	ASTM D5185m	>4	<b>&lt;1</b>	1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185m	>+100	<b>4</b>	2	1
Potassium	ppm	ASTM D5185m	>20	<b>436</b>	11	10
Fuel	%	ASTM D3524	>4.0	<b>0.0</b>	0.1	0.1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Glycol	%	*ASTM D2982		<b>0.10</b>	---	---
Soot %	%	*ASTM D7844		<b>0</b>	0	0
Nitration	Abs/cm	*ASTM D7624	>20	<b>4.1</b>	3.0	2.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>14.9</b>	13.7	13.7
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	>0.1	<b>NEG</b>	NEG	NEG
Sodium	ppm	ASTM D5185m		<b>93</b>	<1	4
Boron	ppm	ASTM D5185m	5	<b>9</b>	0	0
Barium	ppm	ASTM D5185m	1	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	2	<b>52</b>	2	1
Manganese	ppm	ASTM D5185m	1	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	5	<b>7</b>	7	7
Calcium	ppm	ASTM D5185m	1220	<b>1251</b>	1258	1176
Phosphorus	ppm	ASTM D5185m	298	<b>375</b>	297	265
Zinc	ppm	ASTM D5185m	350	<b>351</b>	337	328
Sulfur	ppm	ASTM D5185m	1995	<b>2708</b>	2652	2177
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>8.4</b>	7.3	7.2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.86	<b>0.555</b>	0.44	0.57
Base Number (BN)	mg KOH/g	ASTM D2896	3.9	<b>4.25</b>	3.58	3.88
Visc @ 100°C	cSt	ASTM D445	13.7	<b>13.2</b>	12.8	12.9



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0111893  
**Lab Number** : 06174051  
**Unique Number** : 11020104  
**Test Package** : MOB 2 ( Additional Tests: FuelDilution, Glycol, PercentFuel )

**ENERVEST OPERATING - HAYS BOOSTER**  
 1705 BREAKS PARK ROAD  
 HAYS, VA  
 US 24256  
 Contact: Service Manager

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)

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