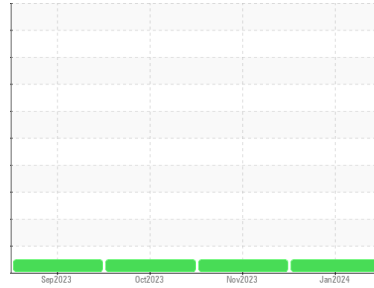


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

6

Component

Natural Gas Engine

Fluid

PETRO CANADA SENTRON LD 3000 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

Tests indicate that there is no fuel present in the oil. There is no indication of any contamination 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. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PCA0112029	PCA0103424	PCA0103457
Sample Date	Client Info		02 Jan 2024	01 Nov 2023	03 Oct 2023
Machine Age	hrs	Client Info	145653	144172	143468
Oil Age	hrs	Client Info	3193	1712	1008
Oil Changed		Client Info	Not Chngd	Not Chngd	Not Chngd
Sample Status			NORMAL	NORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	7	4	5
Chromium	ppm	ASTM D5185m >4	<1	<1	<1
Nickel	ppm	ASTM D5185m >2	0	0	<1
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m >3	0	0	0
Aluminum	ppm	ASTM D5185m >9	2	<1	0
Lead	ppm	ASTM D5185m >30	0	0	0
Copper	ppm	ASTM D5185m >35	<1	0	<1
Tin	ppm	ASTM D5185m >4	0	<1	<1
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 5	0	0	<1
Barium	ppm	ASTM D5185m 1	0	0	0
Molybdenum	ppm	ASTM D5185m 2	2	0	1
Manganese	ppm	ASTM D5185m 1	0	<1	<1
Magnesium	ppm	ASTM D5185m 5	10	12	13
Calcium	ppm	ASTM D5185m 1220	1516	1482	1605
Phosphorus	ppm	ASTM D5185m 298	343	318	350
Zinc	ppm	ASTM D5185m 350	390	411	468
Sulfur	ppm	ASTM D5185m 1995	2648	2585	3466

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >+100	2	2	3
Sodium	ppm	ASTM D5185m	0	0	0
Potassium	ppm	ASTM D5185m >20	2	0	<1
Fuel	%	ASTM D3524 >4.0	0.0	0.2	0.2

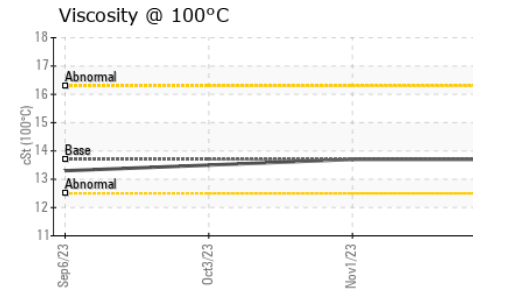
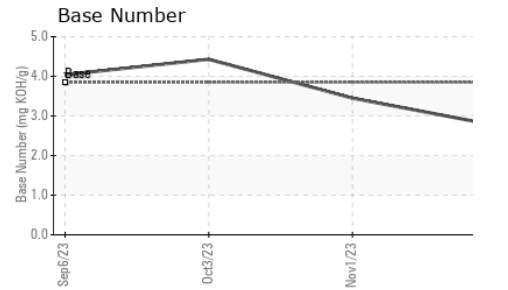
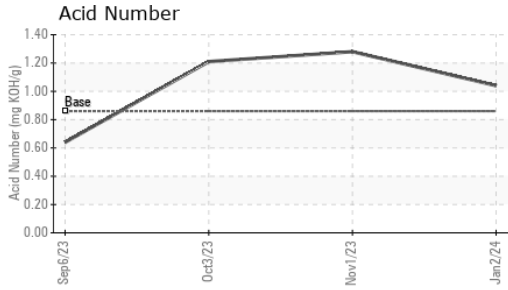
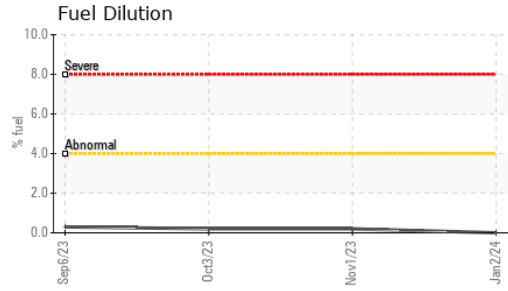
INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	0	0	0
Nitration	Abs/cm	*ASTM D7624 >20	5.3	5.6	5.1
Sulfation	Abs/.1mm	*ASTM D7415 >30	16.4	16.0	14.9

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	10.0	9.7	8.8
Acid Number (AN)	mg KOH/g	ASTM D8045 0.86	1.04	1.28	1.21
Base Number (BN)	mg KOH/g	ASTM D2896 3.85	2.76	3.45	4.43

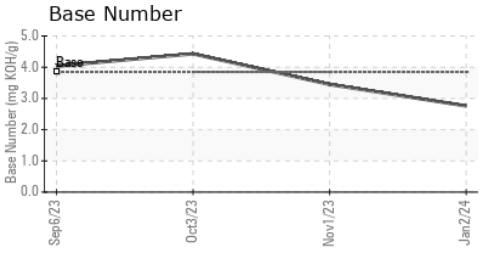
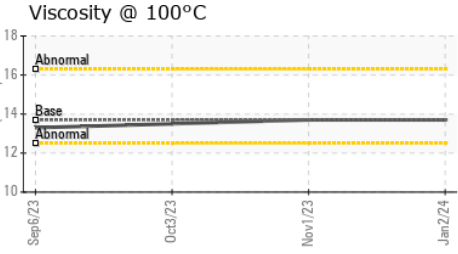
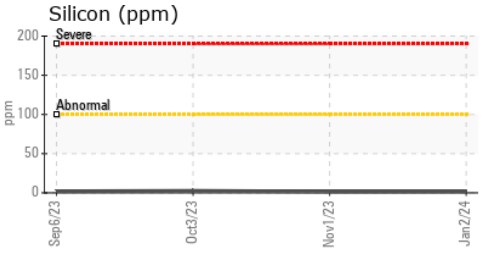
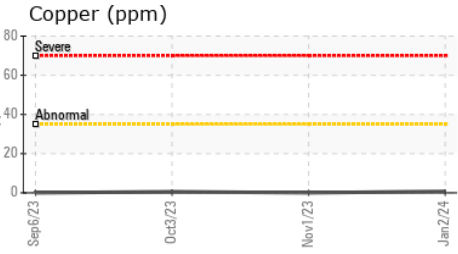
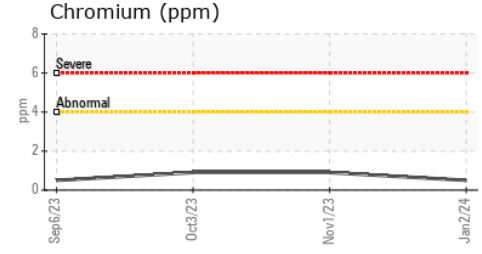
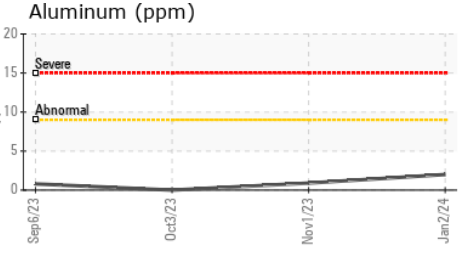
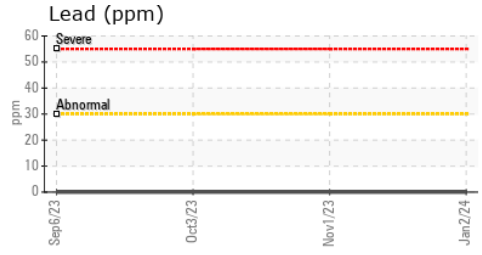
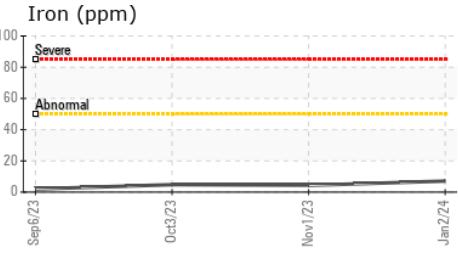
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	13.7	13.7	13.5

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0112029 **Received** : 10 Jan 2024
Lab Number : 06057452 **Diagnosed** : 12 Jan 2024
Unique Number : 10823401 **Diagnostician** : Wes Davis
Test Package : MOB 2 (Additional Tests: FuelDilution, PercentFuel)

ENERVEST OPERATING - HAYSIA
 1242 WEST WIND ROAD
 HAYSIA, VA
 US 24256
 Contact: CHARLES GREGORY
 cgregory@usacompression.com

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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F: