



# OIL ANALYSIS REPORT

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

Machine Id

**45**

Component

**Compressor**

Fluid

**PETRO CANADA SENTRON LD 3000 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PCA0111892</b>	PCA0111933	PCA0111918
Sample Date		Client Info		<b>02 Jan 2024</b>	04 Dec 2023	09 Nov 2023
Machine Age	hrs	Client Info		<b>95114</b>	94419	0
Oil Age	hrs	Client Info		<b>4305</b>	3610	3010
Filter Age	hrs	Client Info		<b>1296</b>	601	3010
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<b>2</b>	0	0
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m		<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	<1	<1
Lead	ppm	ASTM D5185m	>25	<b>2</b>	<1	1
Copper	ppm	ASTM D5185m	>50	<b>4</b>	2	2
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</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

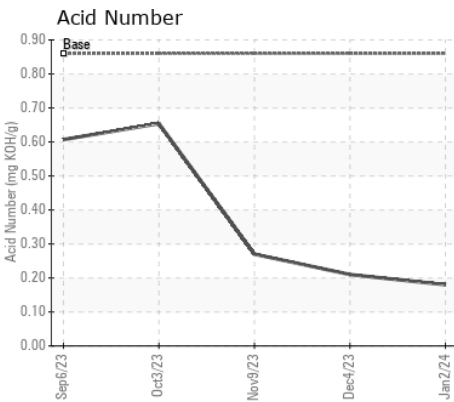
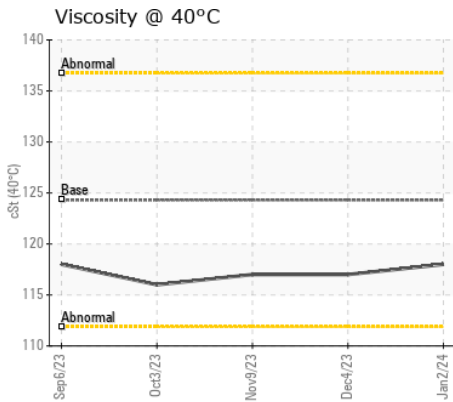
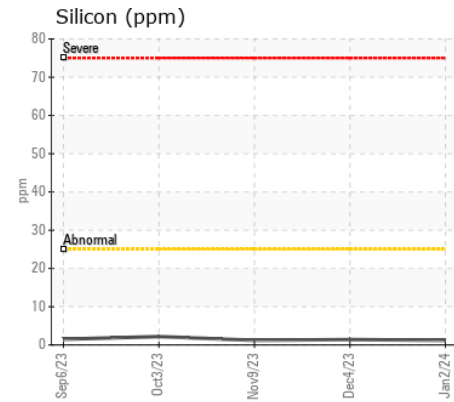
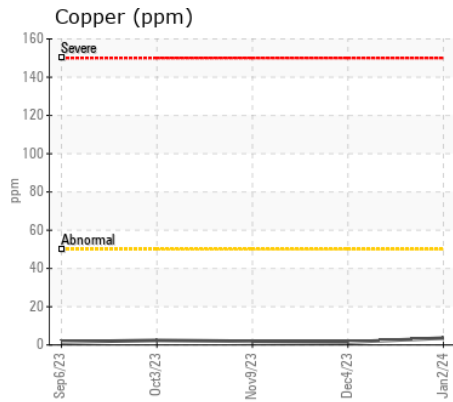
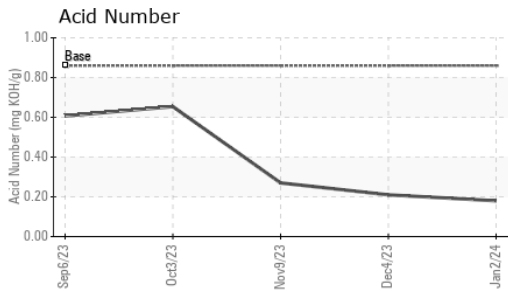
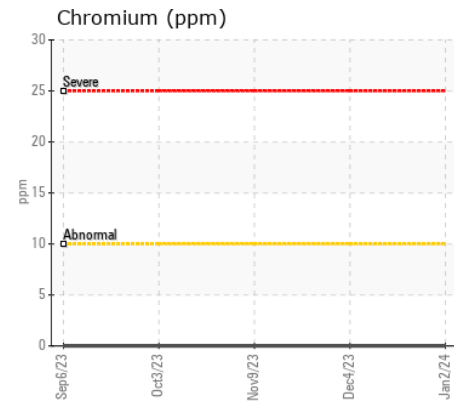
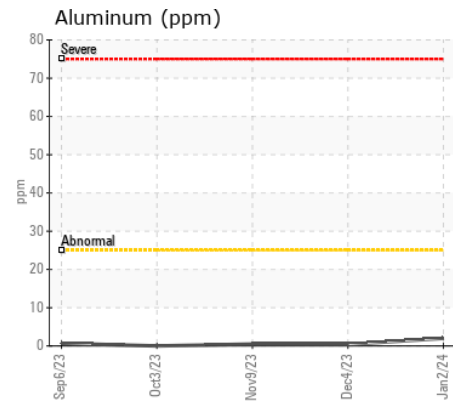
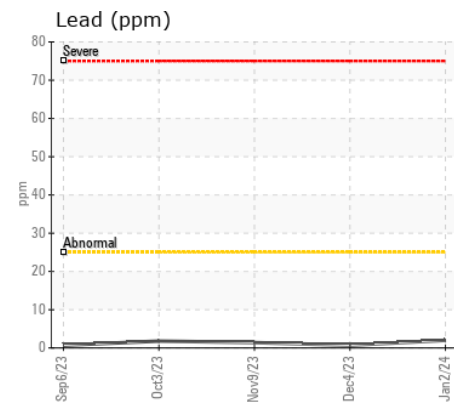
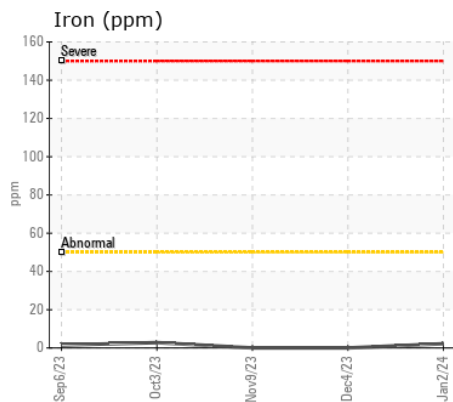
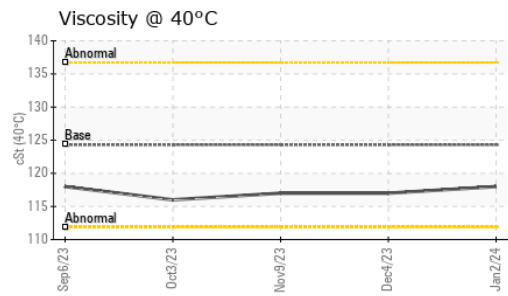
There is no indication of any contamination in the component.

Silicon	ppm	ASTM D5185m	>25	<b>1</b>	1	1
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	0
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
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

## FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>0</b>	0	0
Boron	ppm	ASTM D5185m	5	<b>0</b>	0	0
Barium	ppm	ASTM D5185m	1	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	2	<b>&lt;1</b>	0	0
Manganese	ppm	ASTM D5185m	1	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185m	5	<b>9</b>	12	10
Calcium	ppm	ASTM D5185m	1220	<b>1271</b>	1273	1241
Phosphorus	ppm	ASTM D5185m	298	<b>319</b>	287	278
Zinc	ppm	ASTM D5185m	350	<b>326</b>	357	333
Sulfur	ppm	ASTM D5185m	1995	<b>2571</b>	2515	2359
Acid Number (AN)	mg KOH/g	ASTM D8045	0.86	<b>0.18</b>	0.21	0.27
Visc @ 40°C	cSt	ASTM D445	124.3	<b>118</b>	117	117



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0111892 **Received** : 10 Jan 2024  
**Lab Number** : 06057393 **Diagnosed** : 12 Jan 2024  
**Unique Number** : 10823342 **Diagnostician** : Don Baldrige  
**Test Package** : MOB 2 ( Additional Tests: FuelDilution )

**ENERVEST OPERATING - HAYS BOOSTER**  
 1705 BREAKS PARK ROAD  
 HAYS1, 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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F: