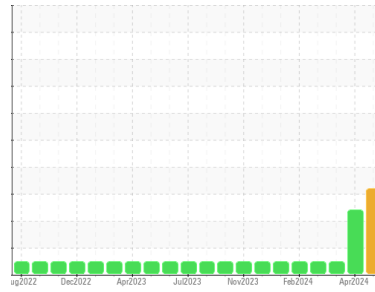


# PROBLEM SUMMARY

Machine Id  
**Hurricane Creek 1**  
 Component  
**Compressor**  
 Fluid  
**PETRO CANADA SENTRON LD 3000 (--- GAL)**

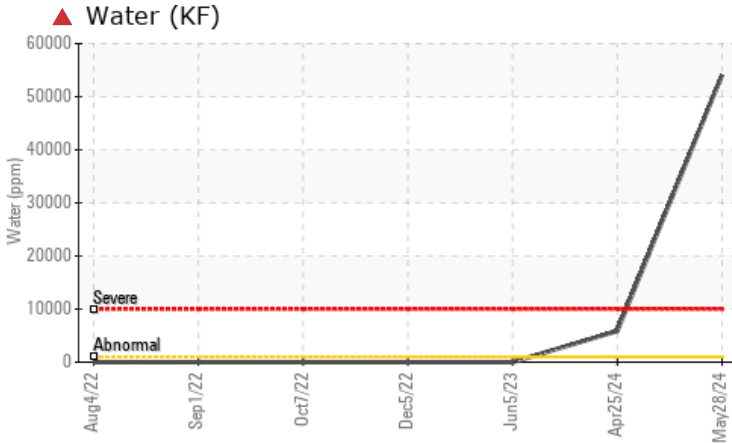
Sample Rating Trend



**WATER**



## COMPONENT CONDITION SUMMARY



## RECOMMENDATION

We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition.

## PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	ABNORMAL	NORMAL
Water	%	ASTM D6304	>0.1	▲ <b>5.41</b>	▲ 0.587	---
ppm Water	ppm	ASTM D6304	>1000	▲ <b>54100</b>	▲ 5870	---
Emulsified Water	scalar	*Visual	>0.1	▲ <b>0.2%</b>	▲ 0.2%	NEG

**Customer Id:** ENEVANH  
**Sample No.:** PCA0095183  
**Lab Number:** 06196798  
**Test Package:** IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Jonathan Hester +1 919-379-4092 x4092  
[jhester@wearcheckusa.com](mailto:jhester@wearcheckusa.com)

To change component or sample information:  
 Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

## RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Water Drain-off	---	---	?	We advise that you follow the water drain-off procedure for this component.
Resample	---	---	?	We recommend an early resample to monitor this condition.

## HISTORICAL DIAGNOSIS

WATER



### 25 Apr 2024 Diag: Sean Felton

We advise that you check for the source of water entry. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate concentration of water present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

[view report](#)



NORMAL



### 02 Apr 2024 Diag: Doug Bogart

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

[view report](#)



NORMAL



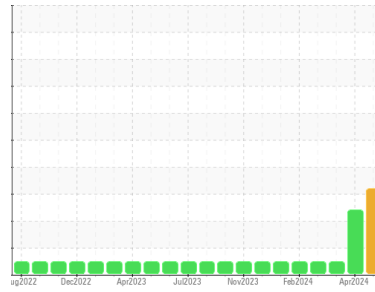
### 04 Mar 2024 Diag: Sean Felton

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

[view report](#)



# OIL ANALYSIS REPORT

**Sample Rating Trend**

**WATER**


Machine Id  
**Hurricane Creek 1**

Component  
**Compressor**

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

**DIAGNOSIS**
**▲ Recommendation**

We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition.

**Wear**

All component wear rates are normal.

**▲ Contamination**

There is a high concentration of water present in the oil.

**Fluid Condition**

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		<b>PCA0095183</b>	PCA0117229	PCA0111997
Sample Date	Client Info		<b>28 May 2024</b>	25 Apr 2024	02 Apr 2024
Machine Age	hrs	Client Info	<b>0</b>	132595	132091
Oil Age	hrs	Client Info	<b>0</b>	0	21941
Oil Changed	Client Info		<b>N/A</b>	Not Changd	Not Changd
Sample Status			<b>SEVERE</b>	ABNORMAL	NORMAL

**WEAR METALS**

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<b>33</b>	9	1
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
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>3</b>	3	1
Copper	ppm	ASTM D5185m >50	<b>9</b>	11	<1
Tin	ppm	ASTM D5185m >15	<b>4</b>	4	1
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Cadmium	ppm	ASTM D5185m	<b>1</b>	3	1

**ADDITIVES**

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 5	<b>4</b>	4	0
Barium	ppm	ASTM D5185m 1	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m 2	<b>&lt;1</b>	2	2
Manganese	ppm	ASTM D5185m 1	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m 5	<b>11</b>	12	7
Calcium	ppm	ASTM D5185m 1220	<b>1064</b>	1207	1222
Phosphorus	ppm	ASTM D5185m 298	<b>320</b>	284	291
Zinc	ppm	ASTM D5185m 350	<b>358</b>	345	325
Sulfur	ppm	ASTM D5185m 1995	<b>2652</b>	2715	2605

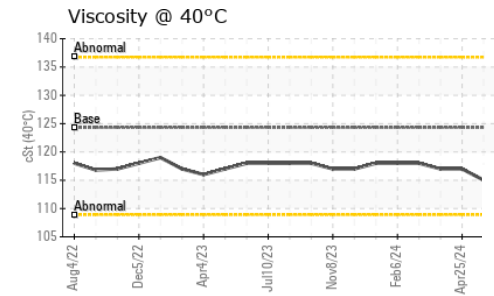
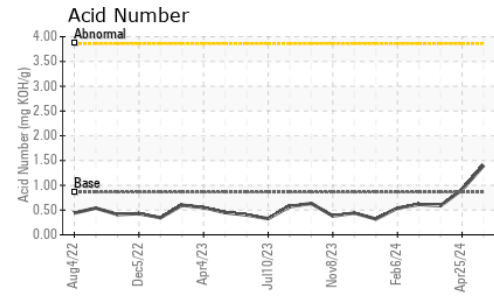
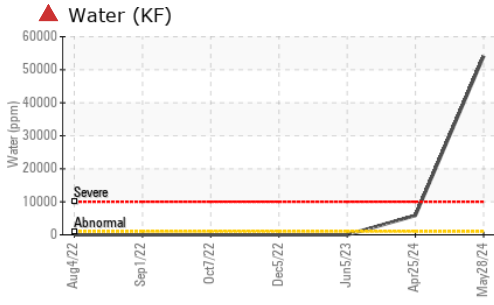
**CONTAMINANTS**

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>17</b>	16	1
Sodium	ppm	ASTM D5185m	<b>13</b>	12	0
Potassium	ppm	ASTM D5185m >20	<b>2</b>	3	1
Water	%	ASTM D6304 >0.1	<b>▲ 5.41</b>	▲ 0.587	---
ppm Water	ppm	ASTM D6304 >1000	<b>▲ 54100</b>	▲ 5870	---

**FLUID DEGRADATION**

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.86	<b>1.40</b>	0.91	0.59

# OIL ANALYSIS REPORT

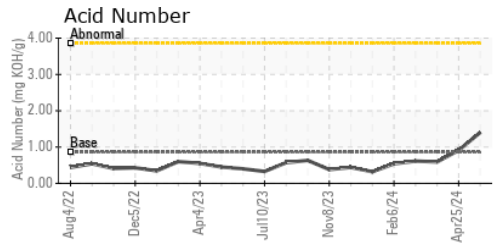
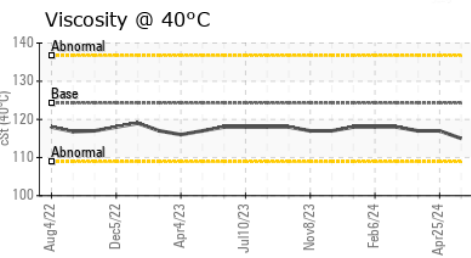
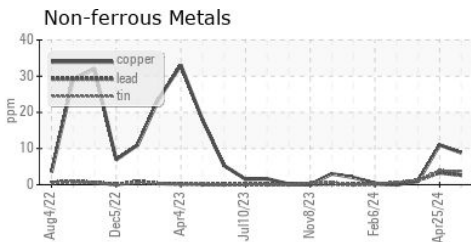
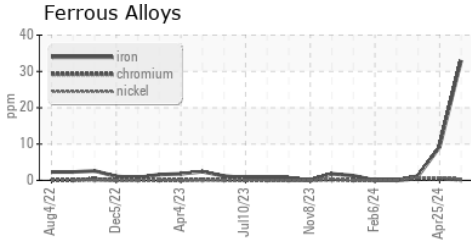


PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	HAZY	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	0.2%	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	124.3	117	117

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0095183 **Received** : 31 May 2024  
**Lab Number** : 06196798 **Tested** : 06 Jun 2024  
**Unique Number** : 11058921 **Diagnosed** : 13 Jun 2024 - Jonathan Hester  
**Test Package** : IND 2 ( Additional Tests: KF )

**ENERVEST OPERATING - HURRICANE**  
 2830 LAUREL BRANCH ROAD  
 VANSANT, VA  
 US 24656  
 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)

T:  
F: