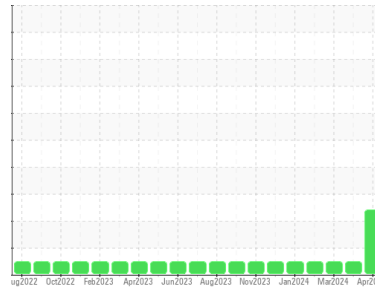


OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id
Hurricane Creek 1

Component
Compressor

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

DIAGNOSIS

Recommendation

We advise that you check for the source of water entry. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

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

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PCA0117229	PCA0111997	PCA0112004
Sample Date	Client Info		25 Apr 2024	02 Apr 2024	04 Mar 2024
Machine Age	hrs	Client Info	132595	132091	131398
Oil Age	hrs	Client Info	0	21941	21248
Oil Changed		Client Info	Not Changed	Not Changed	Not Changed
Sample Status			ABNORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	9	1	0
Chromium	ppm	ASTM D5185m >10	<1	<1	0
Nickel	ppm	ASTM D5185m	<1	<1	0
Titanium	ppm	ASTM D5185m	<1	<1	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	<1	1	1
Lead	ppm	ASTM D5185m >25	3	1	0
Copper	ppm	ASTM D5185m >50	11	<1	0
Tin	ppm	ASTM D5185m >15	4	1	<1
Vanadium	ppm	ASTM D5185m	<1	<1	0
Cadmium	ppm	ASTM D5185m	3	1	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 5	4	0	0
Barium	ppm	ASTM D5185m 1	0	0	0
Molybdenum	ppm	ASTM D5185m 2	2	2	0
Manganese	ppm	ASTM D5185m 1	<1	<1	<1
Magnesium	ppm	ASTM D5185m 5	12	7	9
Calcium	ppm	ASTM D5185m 1220	1207	1222	1184
Phosphorus	ppm	ASTM D5185m 298	284	291	267
Zinc	ppm	ASTM D5185m 350	345	325	330
Sulfur	ppm	ASTM D5185m 1995	2715	2605	2236

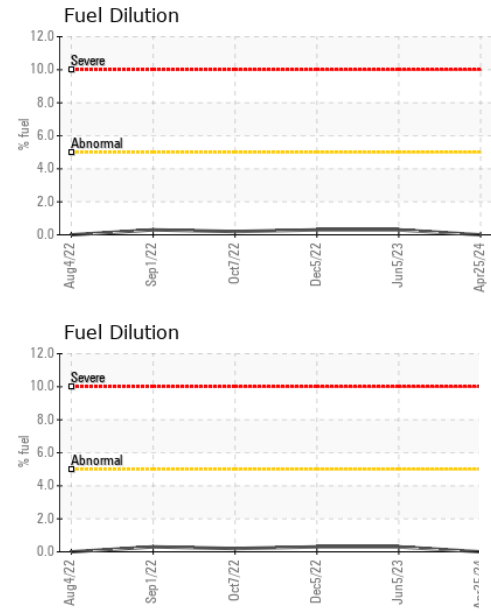
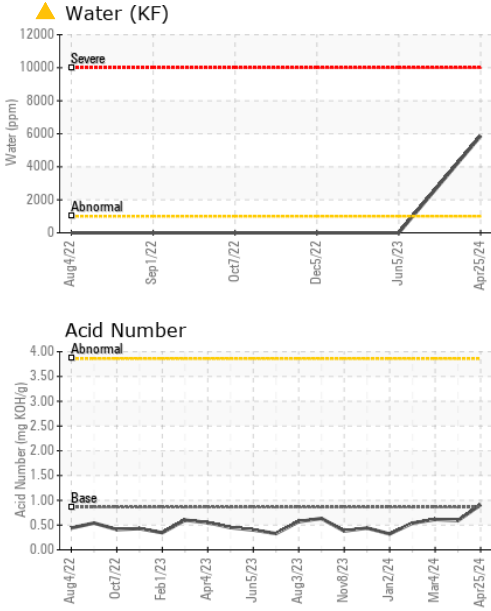
CONTAMINANTS

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

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.86	0.91	0.59	0.614

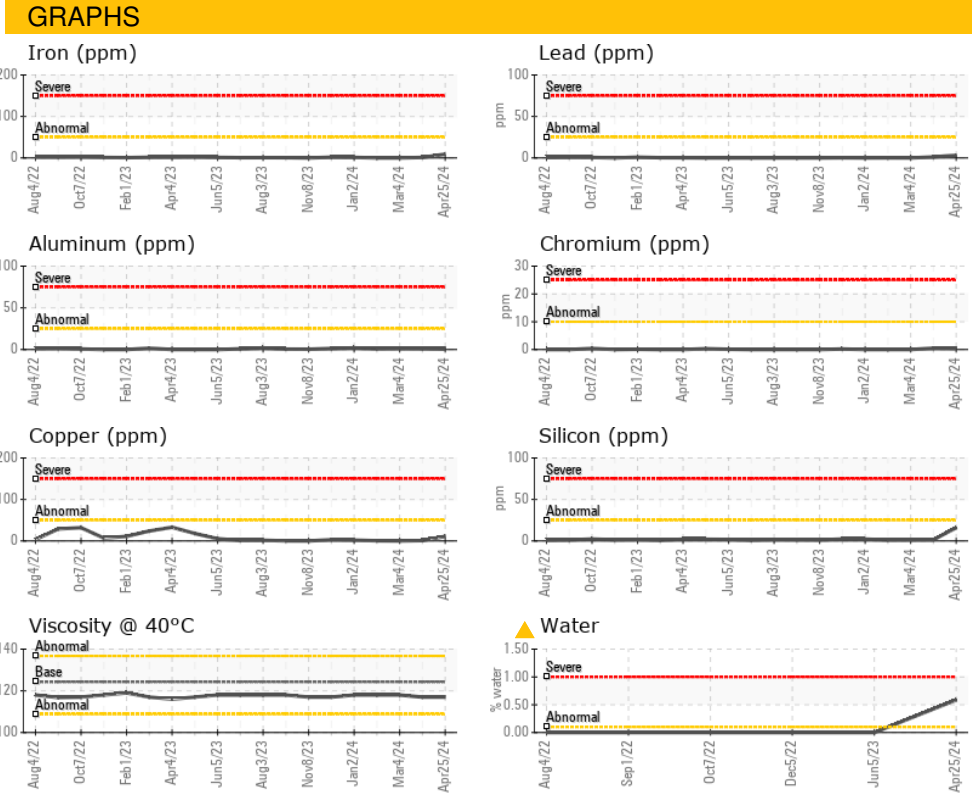
OIL ANALYSIS REPORT



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	0.2%	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	124.3	117	118

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



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0117229
Lab Number : 06174024
Unique Number : 11020077
Test Package : MOB 2 (Additional Tests: FuelDilution, KF)

Received : 09 May 2024
Tested : 16 May 2024
Diagnosed : 16 May 2024 - Sean Felton

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: