



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
Liberty 1
 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		PCA0112020	PCA0111973	PCA0117136
Sample Date		Client Info		01 May 2024	02 Apr 2024	01 Mar 2024
Machine Age	hrs	Client Info		71644	70936	70196
Oil Age	hrs	Client Info		31298	30590	29850
Filter Age	hrs	Client Info		30394	29686	28946
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	1	<1	0
Chromium	ppm	ASTM D5185m	>10	<1	<1	0
Nickel	ppm	ASTM D5185m		<1	<1	<1
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	1	1	<1
Copper	ppm	ASTM D5185m	>50	1	1	<1
Tin	ppm	ASTM D5185m	>15	1	1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

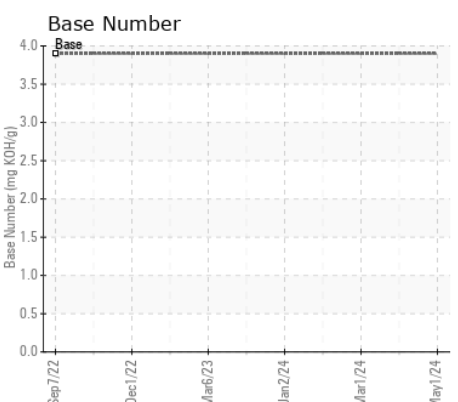
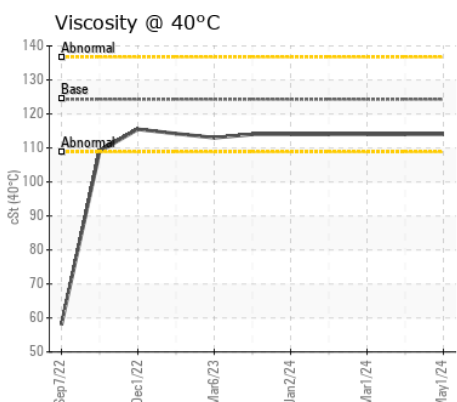
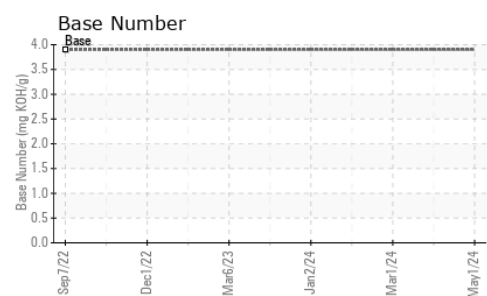
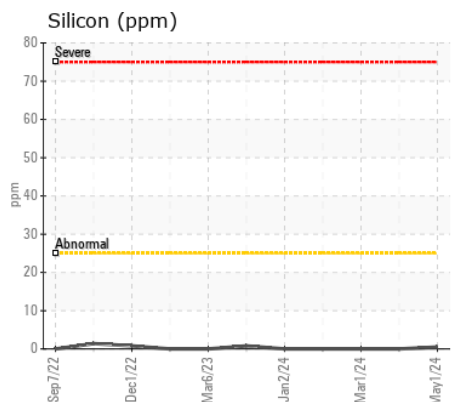
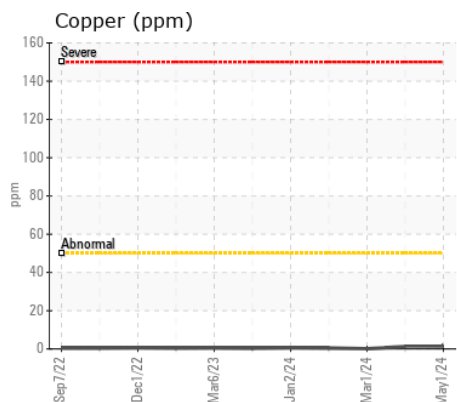
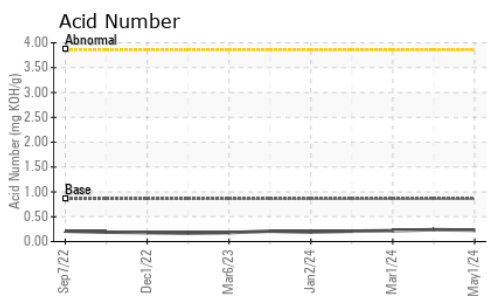
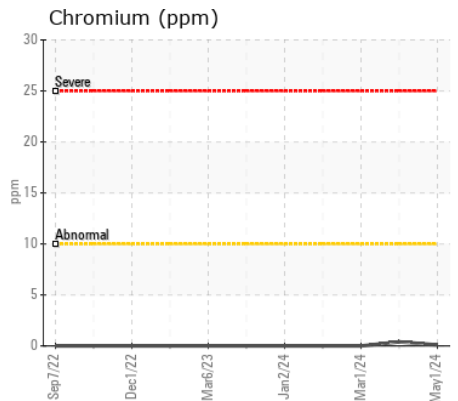
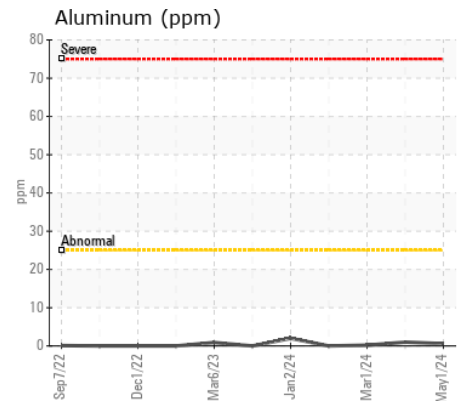
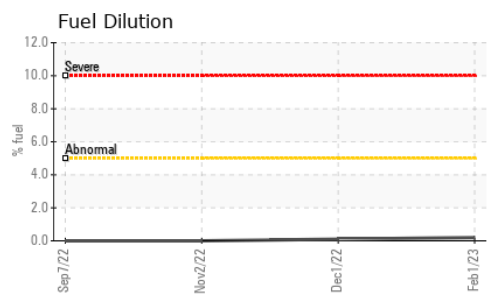
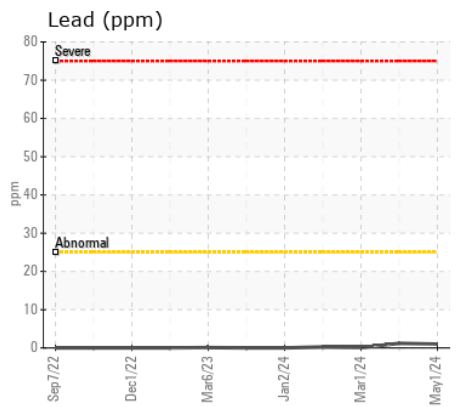
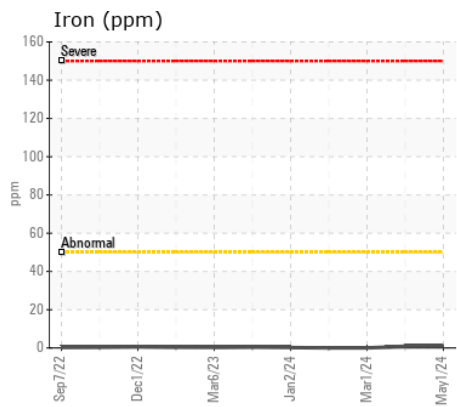
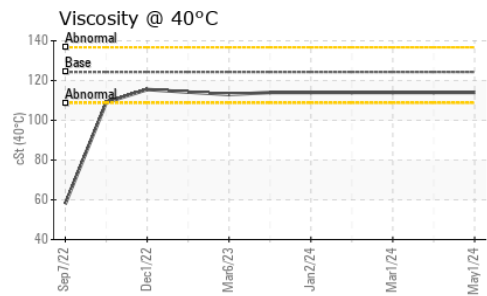
There is no indication of any contamination in the component.

Silicon	ppm	ASTM D5185m	>25	<1	0	0
Potassium	ppm	ASTM D5185m	>20	2	<1	1
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	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		0	0	2
Boron	ppm	ASTM D5185m	5	0	0	0
Barium	ppm	ASTM D5185m	1	0	0	0
Molybdenum	ppm	ASTM D5185m	2	<1	<1	0
Manganese	ppm	ASTM D5185m	1	<1	<1	<1
Magnesium	ppm	ASTM D5185m	5	<1	<1	0
Calcium	ppm	ASTM D5185m	1220	26	36	8
Phosphorus	ppm	ASTM D5185m	298	11	18	7
Zinc	ppm	ASTM D5185m	350	6	10	4
Sulfur	ppm	ASTM D5185m	1995	1581	1533	1315
Acid Number (AN)	mg KOH/g	ASTM D8045	0.86	0.23	0.24	0.22
Visc @ 40°C	cSt	ASTM D445	124.3	114	114	114



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0112020 **Received** : 09 May 2024
Lab Number : 06174027 **Tested** : 12 May 2024
Unique Number : 11020080 **Diagnosed** : 12 May 2024 - Don Baldrige
Test Package : MOB 2 (Additional Tests: FuelDilution, TBN)

ENERVEST OPERATING - LIBERTY
 318 SINGLETON ROAD
 NORA, VA
 US 24272
 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: