



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		PCA0117256	PCA0112024	PCA0112020
Sample Date		Client Info		10 Jul 2024	03 Jun 2024	01 May 2024
Machine Age	hrs	Client Info		72428	72428	71644
Oil Age	hrs	Client Info		72428	32082	31298
Filter Age	hrs	Client Info		32037	31178	30394
Oil Changed		Client Info		Not Changd	N/A	N/A
Filter Changed		Client Info		Not Changd	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	1	2	1
Chromium	ppm	ASTM D5185m	>10	0	<1	<1
Nickel	ppm	ASTM D5185m		<1	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	<1	<1
Lead	ppm	ASTM D5185m	>25	0	3	1
Copper	ppm	ASTM D5185m	>50	6	4	1
Tin	ppm	ASTM D5185m	>15	0	1	1
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

**CONTAMINATION**

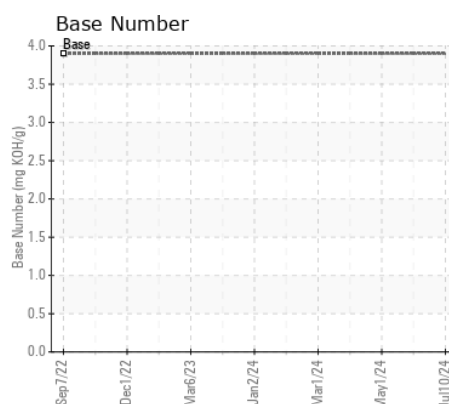
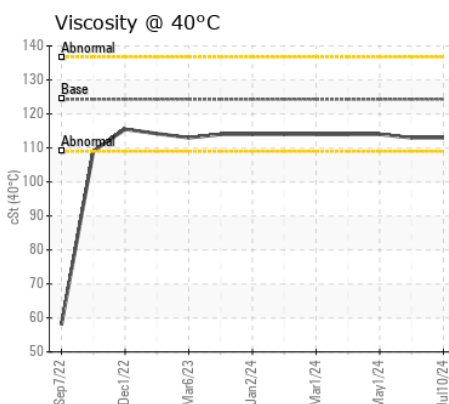
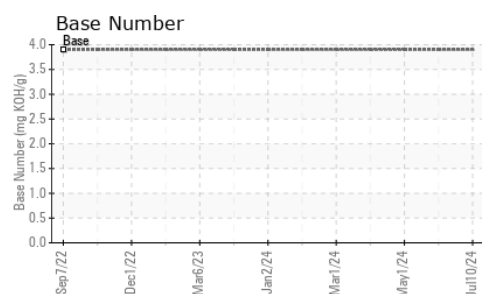
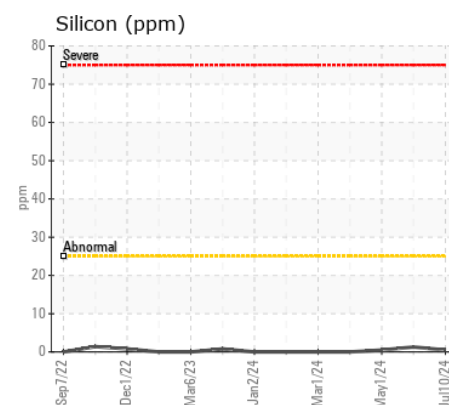
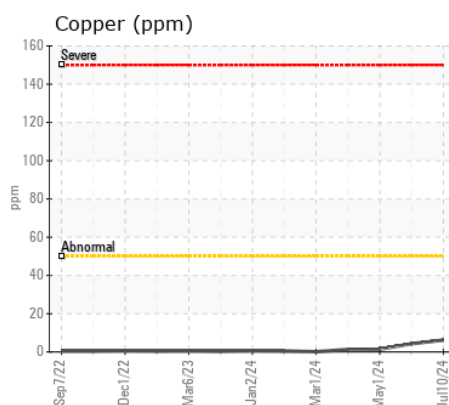
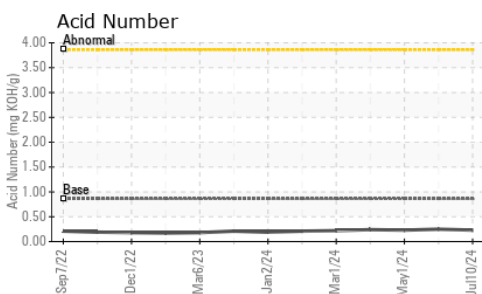
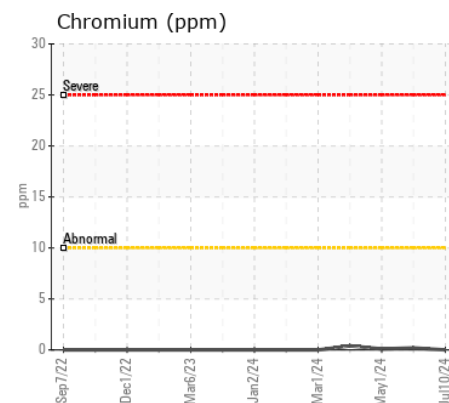
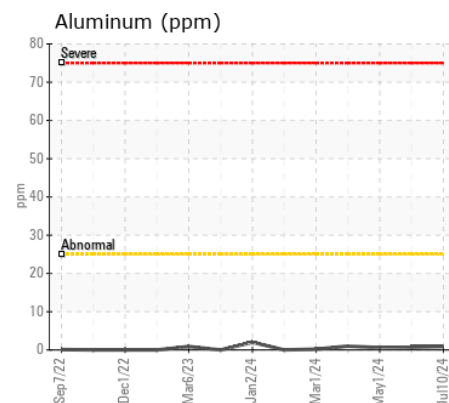
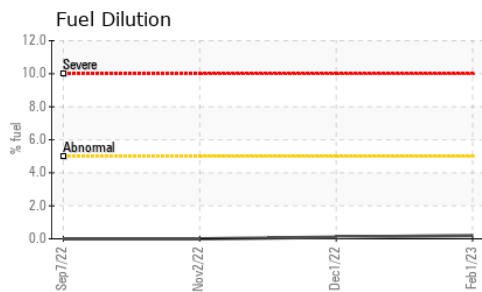
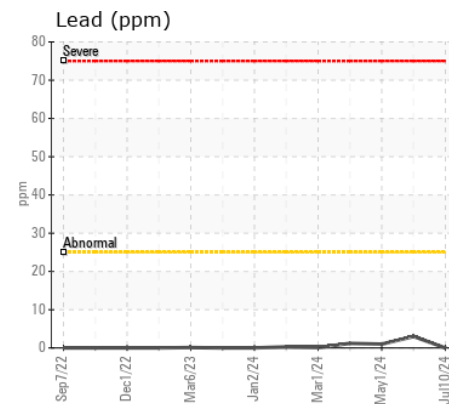
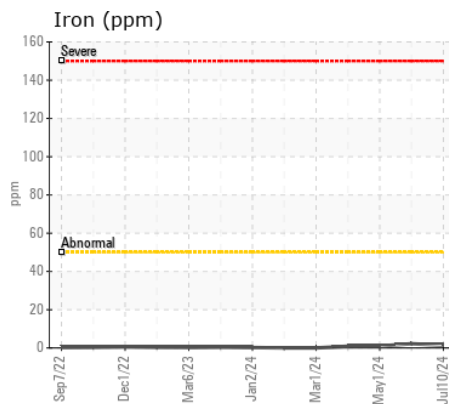
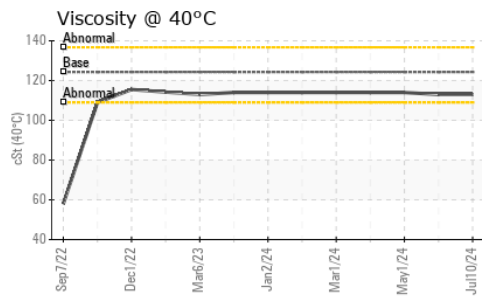
There is no indication of any contamination in the component.

Silicon	ppm	ASTM D5185m	>25	<1	1	<1
Potassium	ppm	ASTM D5185m	>20	3	5	2
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	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		4	2	0
Boron	ppm	ASTM D5185m	5	0	0	0
Barium	ppm	ASTM D5185m	1	0	0	0
Molybdenum	ppm	ASTM D5185m	2	0	2	<1
Manganese	ppm	ASTM D5185m	1	1	2	<1
Magnesium	ppm	ASTM D5185m	5	2	0	<1
Calcium	ppm	ASTM D5185m	1220	12	20	26
Phosphorus	ppm	ASTM D5185m	298	7	8	11
Zinc	ppm	ASTM D5185m	350	0	2	6
Sulfur	ppm	ASTM D5185m	1995	1751	1641	1581
Acid Number (AN)	mg KOH/g	ASTM D8045	0.86	0.23	0.25	0.23
Visc @ 40°C	cSt	ASTM D445	124.3	113	113	114



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0117256 **Received** : 16 Jul 2024  
**Lab Number** : 06238516 **Tested** : 18 Jul 2024  
**Unique Number** : 11127350 **Diagnosed** : 18 Jul 2024 - Doug Bogart  
**Test Package** : MOB 2 ( Additional Tests: FuelDilution, PercentFuel, 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)

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F: