

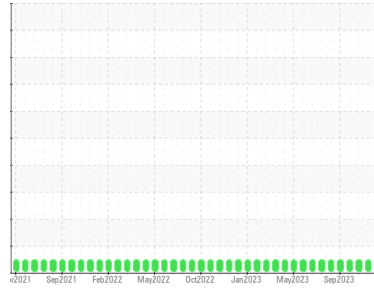
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**K602**  
Component  
**Reciprocating Compressor**  
Fluid  
**PETRO CANADA SENTRON LD 3000 (--- LTR)**



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable.

### 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>PC0089506</b>	PC0085496	PC0085489
Sample Date	Client Info		<b>27 Mar 2024</b>	09 Feb 2024	17 Jan 2024
Machine Age	hrs	Client Info	<b>33049</b>	32173	31640
Oil Age	hrs	Client Info	<b>32173</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	Changed	Not Chngd
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >50	<b>&lt;1</b>	<1	<1
Chromium	ppm	ASTM D5185(m) >10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	<b>0</b>	0	0
Titanium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m) >25	<b>&lt;1</b>	1	1
Lead	ppm	ASTM D5185(m) >25	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185(m) >50	<b>3</b>	3	3
Tin	ppm	ASTM D5185(m) >15	<b>0</b>	<1	<1
Antimony	ppm	ASTM D5185(m)	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 5	<b>1</b>	<1	<1
Barium	ppm	ASTM D5185(m) 1	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m) 2	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m) 1	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m) 5	<b>6</b>	7	7
Calcium	ppm	ASTM D5185(m) 1220	<b>1250</b>	1268	1258
Phosphorus	ppm	ASTM D5185(m) 298	<b>260</b>	275	270
Zinc	ppm	ASTM D5185(m) 350	<b>303</b>	299	297
Sulfur	ppm	ASTM D5185(m) 1995	<b>1976</b>	2123	2121
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1

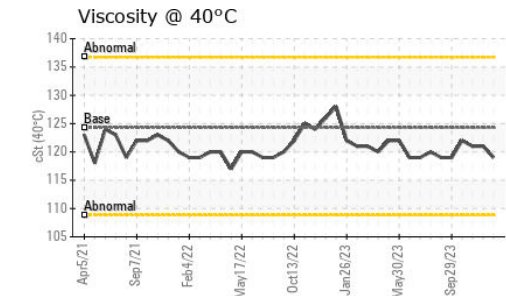
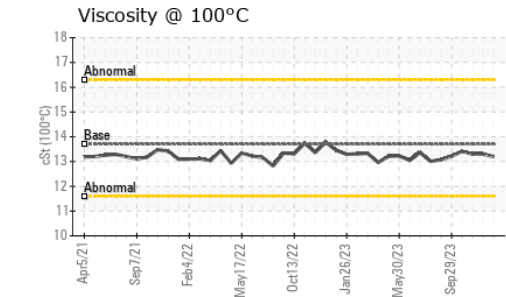
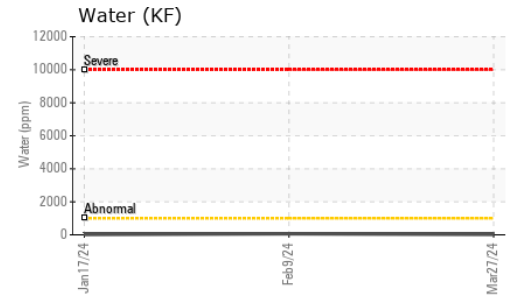
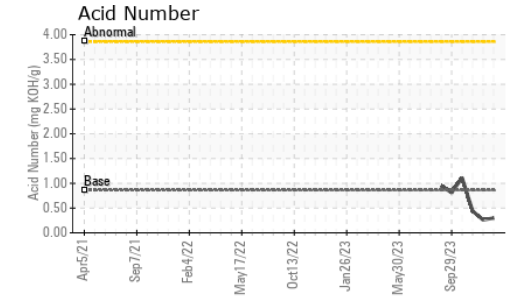
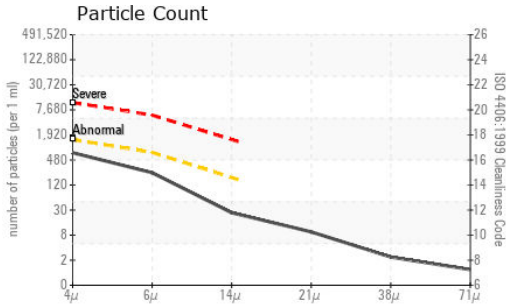
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	<b>0</b>	1	1
Sodium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1
Potassium	ppm	ASTM D5185(m) >20	<b>0</b>	<1	<1
Water	%	ASTM D6304* >0.1	<b>0.002</b>	0.005	0.002
ppm Water	ppm	ASTM D6304* >1000	<b>17</b>	59	21

## FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>1300	<b>630</b>	136	195
Particles >6µm	ASTM D7647	>640	<b>209</b>	47	69
Particles >14µm	ASTM D7647	>160	<b>23</b>	5	8
Particles >21µm	ASTM D7647	>40	<b>8</b>	3	3
Particles >38µm	ASTM D7647	>10	<b>2</b>	1	1
Particles >71µm	ASTM D7647	>3	<b>1</b>	0	0
Oil Cleanliness	ISO 4406 (c)	>17/16/14	<b>16/15/12</b>	14/13/10	15/13/10

# OIL ANALYSIS REPORT



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0089506 **Received** : 01 Apr 2024  
**Lab Number** : **02625713** **Tested** : 02 Apr 2024  
**Unique Number** : 5750832 **Diagnosed** : 02 Apr 2024 - Bill Quesnel  
**Test Package** : GEO 2 ( Additional Tests: KF )

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.86	<b>0.30</b>	0.26	0.44

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
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
Free Water	scalar	Visual*		<b>NEG</b>	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	124.3	<b>119</b>	121	121
Visc @ 100°C	cSt	ASTM D7279(m)	13.7	<b>13.2</b>	13.3	13.3
Viscosity Index (VI)	Scale	ASTM D2270*	106	<b>105</b>	104	104

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						
Bottom						