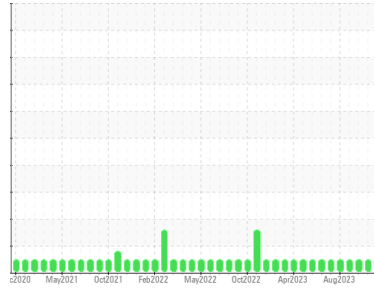


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**K610**  
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>PC0085498</b>	PC0085484	PC90000473
Sample Date	Client Info		<b>16 Feb 2024</b>	17 Jan 2024	31 Oct 2023
Machine Age	hrs	Client Info	<b>18761</b>	18212	16657
Oil Age	hrs	Client Info	<b>0</b>	3000	2236
Oil Changed	Client Info		<b>Not Chngd</b>	Changed	Changed
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	2
Chromium	ppm	ASTM D5185(m) >10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	0
Aluminum	ppm	ASTM D5185(m) >25	<b>1</b>	1	2
Lead	ppm	ASTM D5185(m) >25	<b>0</b>	<1	0
Copper	ppm	ASTM D5185(m) >50	<b>6</b>	10	15
Tin	ppm	ASTM D5185(m) >15	<b>&lt;1</b>	<1	0
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>&lt;1</b>	1	1
Barium	ppm	ASTM D5185(m) 1	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m) 2	<b>&lt;1</b>	<1	0
Manganese	ppm	ASTM D5185(m) 1	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m) 5	<b>7</b>	7	7
Calcium	ppm	ASTM D5185(m) 1220	<b>1229</b>	1220	1293
Phosphorus	ppm	ASTM D5185(m) 298	<b>260</b>	261	295
Zinc	ppm	ASTM D5185(m) 350	<b>299</b>	295	335
Sulfur	ppm	ASTM D5185(m) 1995	<b>2074</b>	2108	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	0

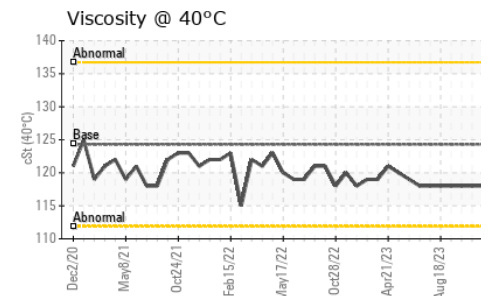
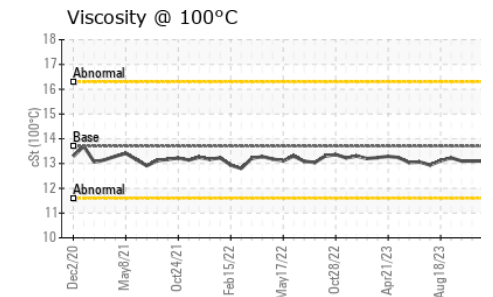
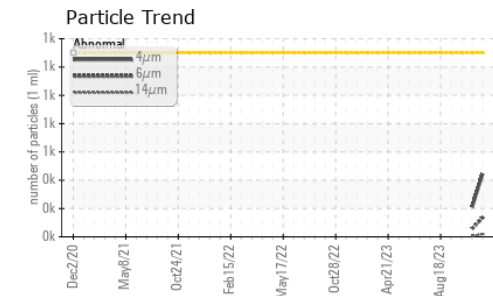
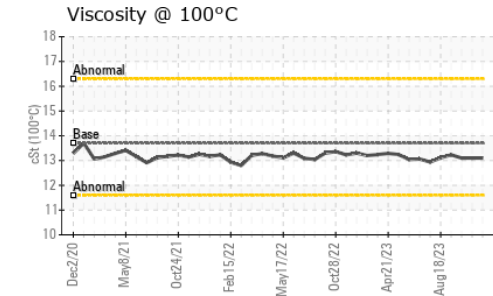
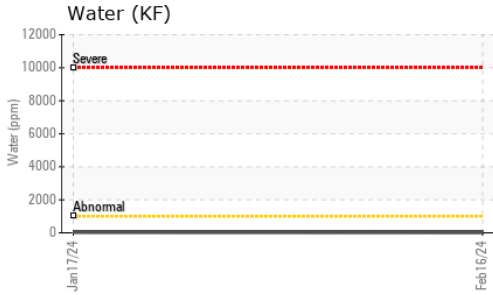
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	<b>1</b>	1	2
Sodium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	1
Potassium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	1	0
Water	%	ASTM D6304* >0.1	<b>0.002</b>	0.003	---
ppm Water	ppm	ASTM D6304* >1000	<b>18</b>	31	---

## FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>1300	<b>445</b>	211	---
Particles >6µm	ASTM D7647	>640	<b>136</b>	56	---
Particles >14µm	ASTM D7647	>160	<b>19</b>	5	---
Particles >21µm	ASTM D7647	>40	<b>6</b>	2	---
Particles >38µm	ASTM D7647	>10	<b>1</b>	1	---
Particles >71µm	ASTM D7647	>3	<b>1</b>	0	---
Oil Cleanliness	ISO 4406 (c)	>17/16/14	<b>16/14/11</b>	15/13/10	---

# OIL ANALYSIS REPORT



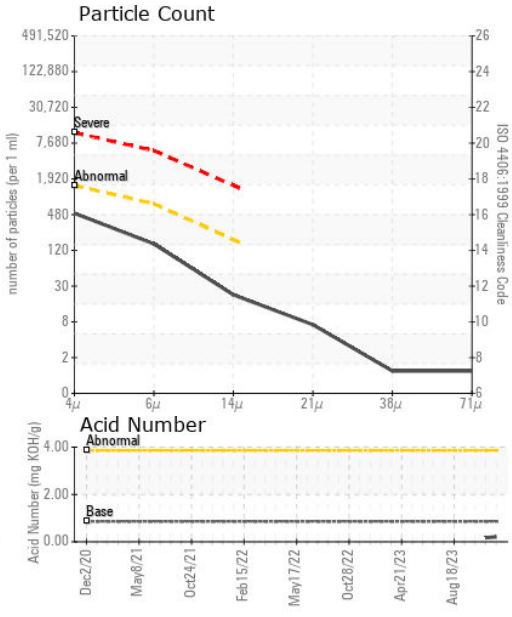
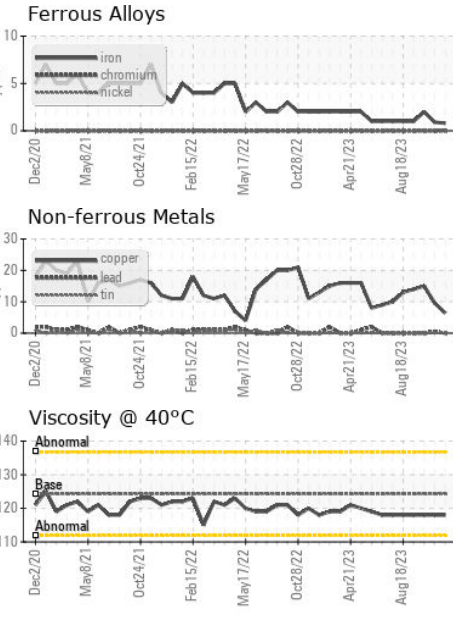
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.86	<b>0.21</b>	0.17	---

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	NEG	---
Free Water	scalar	Visual*		<b>NEG</b>	NEG	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	124.3	<b>118</b>	118	118
Visc @ 100°C	cSt	ASTM D7279(m)	13.7	<b>13.1</b>	13.1	13.1
Viscosity Index (VI)	Scale	ASTM D2270*	106	<b>105</b>	105	105

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

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0085498 **Received** : 23 Feb 2024  
**Lab Number** : **02617665** **Tested** : 27 Feb 2024  
**Unique Number** : 5734775 **Diagnosed** : 27 Feb 2024 - Wes Davis  
**Test Package** : PLANT ( Additional Tests: KF, KV100, VI )

**NuVista Energy**  
 10508 67 Ave, #201  
 Grande Prairie, AB  
 CA T8W 0K8  
 Contact: Eldon Weaver  
 eweaver@nvaenergy.com

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.