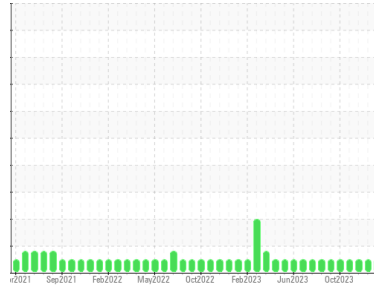
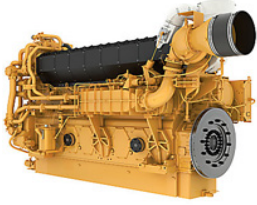


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**K601**  
Component  
**Natural Gas Compression Engine**  
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

There is no indication of any contamination in the oil.

### 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>PC0089509</b>	PC0089508	PC0085507
Sample Date	Client Info		<b>27 Mar 2024</b>	25 Mar 2024	16 Feb 2024
Machine Age	hrs	Client Info	<b>31604</b>	31098	30354
Oil Age	hrs	Client Info	<b>23387</b>	23387	0
Oil Changed	Client Info		<b>N/A</b>	N/A	Not Chngd
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>4.0	<b>&lt;1.0</b>	<1.0	<1.0
Water	WC Method	>0.1	<b>NEG</b>	NEG	NEG
Glycol	WC Method		<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >14	<b>1</b>	<1	1
Chromium	ppm	ASTM D5185(m) >3	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m) >5	<b>0</b>	0	0
Titanium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m) >5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m) >5	<b>&lt;1</b>	<1	2
Lead	ppm	ASTM D5185(m) >8	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m) >5	<b>&lt;1</b>	2	<1
Tin	ppm	ASTM D5185(m) >3	<b>0</b>	0	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>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	<1
Manganese	ppm	ASTM D5185(m) 1	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m) 5	<b>8</b>	7	8
Calcium	ppm	ASTM D5185(m) 1220	<b>1403</b>	1234	1349
Phosphorus	ppm	ASTM D5185(m) 298	<b>283</b>	263	283
Zinc	ppm	ASTM D5185(m) 350	<b>349</b>	305	333
Sulfur	ppm	ASTM D5185(m) 1995	<b>2110</b>	1967	2222
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1

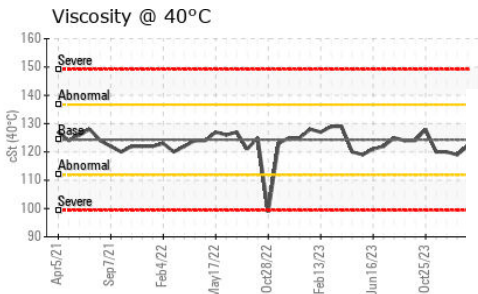
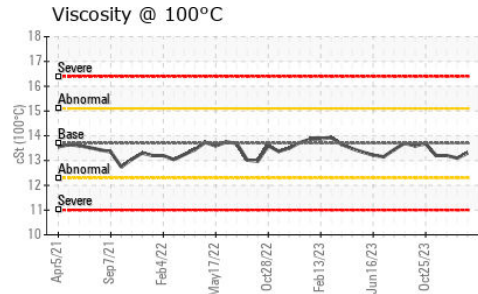
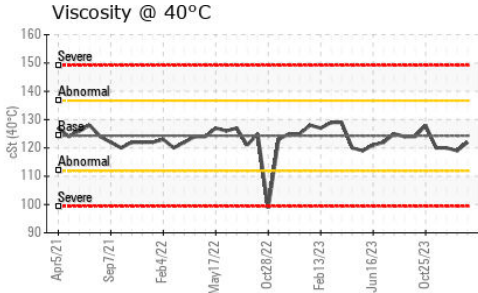
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >180	<b>0</b>	0	1
Sodium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	<1	<1
Potassium	ppm	ASTM D5185(m) >20	<b>0</b>	<1	<1

## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624* >15	<b>4.5</b>	2.5	4.2
Nitration(Diff)	Abs/cm	ASTM E2412*	<b>5.7</b>	0.8	4.7
Sulfation	Abs.1mm	ASTM D7415* >25	<b>17.1</b>	13.6	16.1
Sulfation(Diff)	Abs/cm	ASTM E2412*	<b>7.8</b>	0.8	5.8

# OIL ANALYSIS REPORT

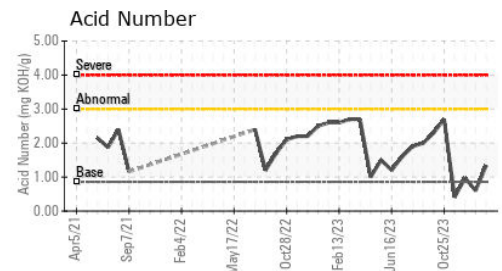
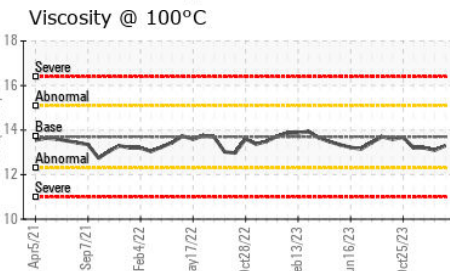
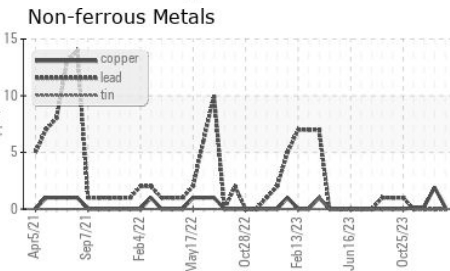
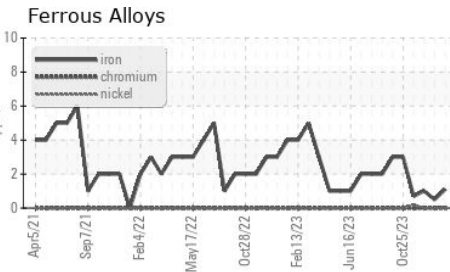


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>20	<b>10.8</b>	6.9	9.5
Oxidation(Diff)	Abs/cm	ASTM E2412*		<b>8.8</b>	1.3	6.2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.86	<b>1.34</b>	0.60	0.97

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>VLITE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	VLITE	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>122</b>	119	120
Visc @ 100°C	cSt	ASTM D7279(m)	13.7	<b>13.3</b>	13.1	13.2
Viscosity Index (VI)	Scale	ASTM D2270*	106	<b>103</b>	104	104

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0089509 **Received** : 01 Apr 2024  
**Lab Number** : **02625655** **Tested** : 01 Apr 2024  
**Unique Number** : 5750774 **Diagnosed** : 02 Apr 2024 - Bill Quesnel  
**Test Package** : GEO 2 ( Additional Tests: FT-IR, FT-IR(Diff), TAN Man )

**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.

T:  
F: