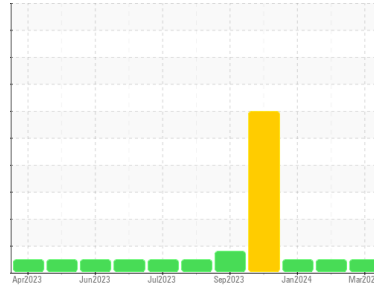
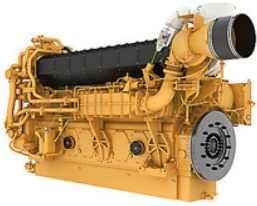


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**K604**  
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>PC0089503</b>	PC0085503	PC0085488
Sample Date	Client Info		<b>27 Mar 2024</b>	16 Feb 2024	17 Jan 2024
Machine Age	hrs	Client Info	<b>8051</b>	7307	6606
Oil Age	hrs	Client Info	<b>7307</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	Not Changd	Not Changd
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
Chromium	ppm	ASTM D5185(m)	>3	<b>0</b>	0
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0
Silver	ppm	ASTM D5185(m)	>5	<b>0</b>	<1
Aluminum	ppm	ASTM D5185(m)	>5	<b>1</b>	1
Lead	ppm	ASTM D5185(m)	>8	<b>1</b>	2
Copper	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1
Tin	ppm	ASTM D5185(m)	>3	<b>0</b>	0
Antimony	ppm	ASTM D5185(m)		<b>0</b>	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	5	<b>1</b>	1
Barium	ppm	ASTM D5185(m)	1	<b>0</b>	0
Molybdenum	ppm	ASTM D5185(m)	2	<b>0</b>	<1
Manganese	ppm	ASTM D5185(m)	1	<b>0</b>	0
Magnesium	ppm	ASTM D5185(m)	5	<b>7</b>	7
Calcium	ppm	ASTM D5185(m)	1220	<b>1310</b>	1292
Phosphorus	ppm	ASTM D5185(m)	298	<b>265</b>	269
Zinc	ppm	ASTM D5185(m)	350	<b>322</b>	316
Sulfur	ppm	ASTM D5185(m)	1995	<b>2003</b>	2146
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1

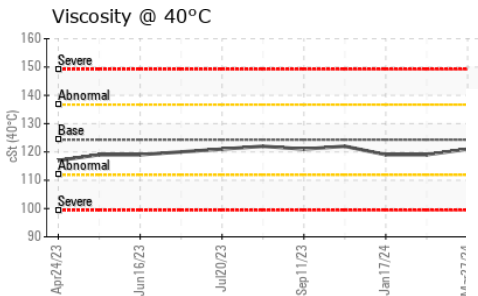
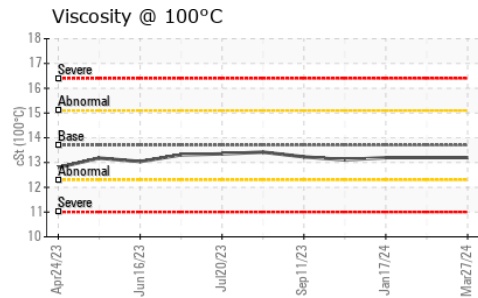
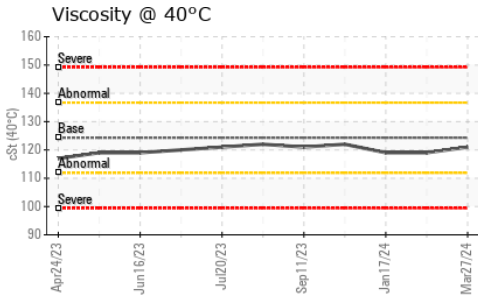
## CONTAMINANTS

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

## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		<b>0</b>	0
Nitration	Abs/cm	ASTM D7624*	>15	<b>4.1</b>	4.1
Nitration(Diff)	Abs/cm	ASTM E2412*		<b>4.9</b>	4.6
Sulfation	Abs./1mm	ASTM D7415*	>25	<b>16.1</b>	15.9
Sulfation(Diff)	Abs/cm	ASTM E2412*		<b>5.8</b>	5.4

# OIL ANALYSIS REPORT

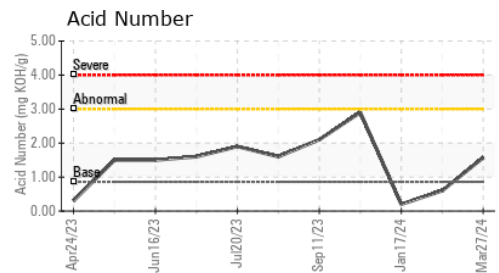
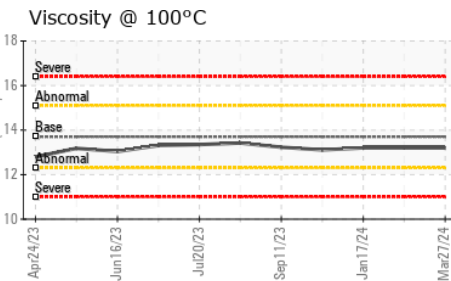
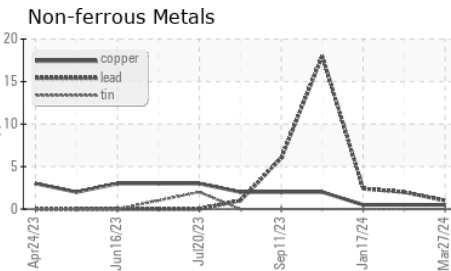
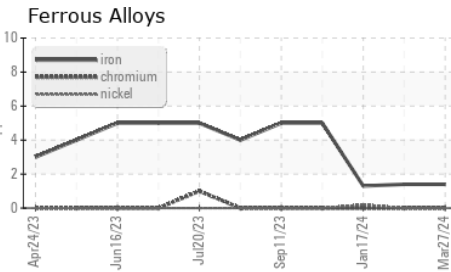


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>20	<b>9.5</b>	9.3	8.6
Oxidation(Diff)	Abs/cm	ASTM E2412*		<b>7</b>	6.1	4.2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.86	<b>1.57</b>	0.60	0.20

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>121</b>	119	119
Visc @ 100°C	cSt	ASTM D7279(m)	13.7	<b>13.2</b>	13.2	13.2
Viscosity Index (VI)	Scale	ASTM D2270*	106	<b>103</b>	105	105

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0089503 **Received** : 01 Apr 2024  
**Lab Number** : **02625656** **Tested** : 01 Apr 2024  
**Unique Number** : 5750775 **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.

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F: