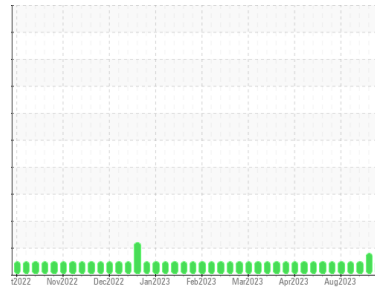
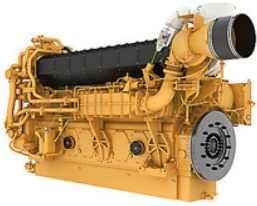


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**K603**  
Component  
**Natural Gas Compression Engine**  
Fluid  
**PETRO CANADA SENTRON LD SYNTHETIC BLEND (--- 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>PC0085501</b>	PC0085486	PC90000536
Sample Date	Client Info		<b>16 Feb 2024</b>	22 Jan 2024	25 Oct 2023
Machine Age	hrs	Client Info	<b>28238</b>	27655	25569
Oil Age	hrs	Client Info	<b>0</b>	0	3794
Oil Changed	Client Info		<b>Not Changed</b>	Changed	Not Changed
Sample Status			<b>NORMAL</b>	ABNORMAL	NORMAL

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		<b>0</b>	0	---
Iron	ppm	ASTM D5185(m) >14	<b>&lt;1</b>	3	4
Chromium	ppm	ASTM D5185(m) >3	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m) >5	<b>0</b>	<1	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>2</b>	2	2
Lead	ppm	ASTM D5185(m) >8	<b>0</b>	<1	0
Copper	ppm	ASTM D5185(m) >5	<b>&lt;1</b>	<1	0
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

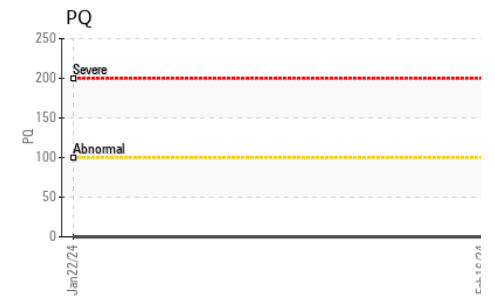
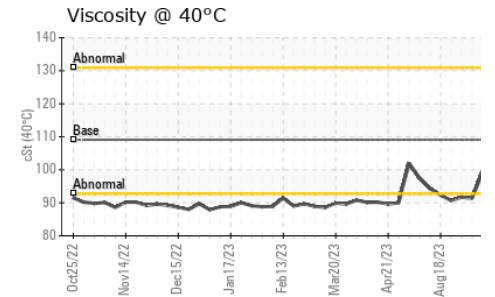
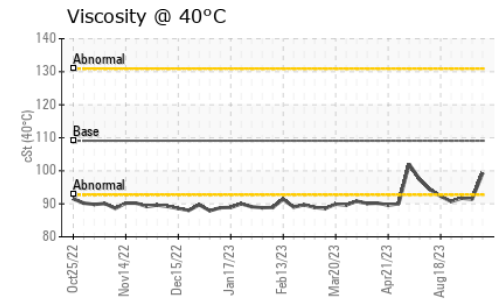
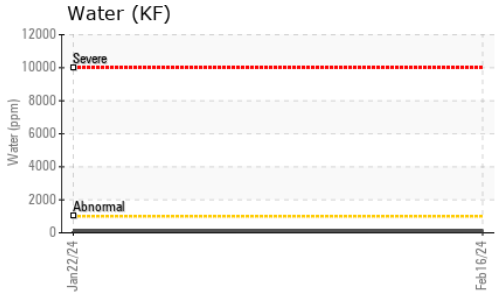
## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 0	<b>&lt;1</b>	1	2
Barium	ppm	ASTM D5185(m) 0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m) 0	<b>0</b>	<1	1
Manganese	ppm	ASTM D5185(m) 0	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m) 3	<b>6</b>	7	5
Calcium	ppm	ASTM D5185(m) 1402	<b>1335</b>	1645	2062
Phosphorus	ppm	ASTM D5185(m) 246	<b>247</b>	301	404
Zinc	ppm	ASTM D5185(m) 305	<b>297</b>	376	540
Sulfur	ppm	ASTM D5185(m) 2310	<b>2277</b>	2648	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	0

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >180	<b>&lt;1</b>	2	3
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>0.011</b>	0.012	---
ppm Water	ppm	ASTM D6304* >1000	<b>115</b>	127	---

# OIL ANALYSIS REPORT



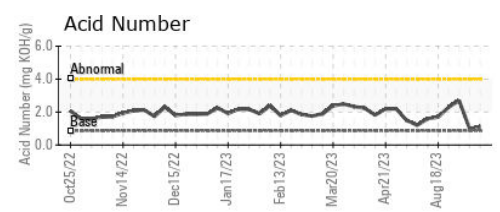
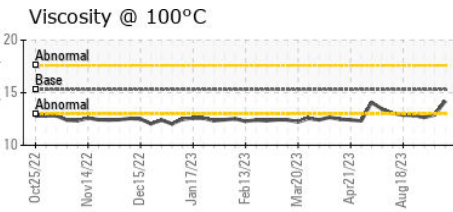
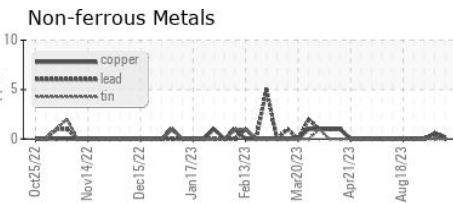
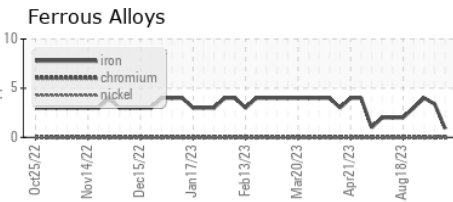
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		<b>0</b>	0	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>4.0</b>	5.2	5.6
Nitration(Diff)	Abs/cm	ASTM E2412*		<b>3.2</b>	6.2	---
Sulfation	Abs./1mm	ASTM D7415*	>30	<b>15.9</b>	20.7	20.6
Sulfation(Diff)	Abs/cm	ASTM E2412*		<b>3.6</b>	12.1	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	<b>9.4</b>	12.8	15
Oxidation(Diff)	Abs/cm	ASTM E2412*		<b>3.5</b>	9.9	---
Acid Number (AN)	mg KOH/g	ASTM D974*	0.87	<b>1.12</b>	0.98	2.7

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)	109.1	<b>99.3</b>	▲ 91.4	91.7
Visc @ 100°C	cSt	ASTM D7279(m)	15.3	<b>14.2</b>	▲ 12.9	12.64
Viscosity Index (VI)	Scale	ASTM D2270*	153	<b>146</b>	139	134

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0085501  
**Lab Number** : **02617625**  
**Unique Number** : 5734735  
**Test Package** : PLANT ( Additional Tests: FT-IR, FT-IR(Diff), KV100, TAN Man, VI )

**Received** : 23 Feb 2024  
**Tested** : 26 Feb 2024  
**Diagnosed** : 26 Feb 2024 - Bill Quesnel

**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.