

Machine Id  
**GUASCOR SUNRITE NG1**

Component  
**Natural Gas Engine**

Fluid  
**PETRO CANADA SENTRON LD 5000 (--- GAL)**

**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 BN result indicates that there is suitable alkalinity remaining in the oil. 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>PC0074678</b>	---	---
Sample Date	Client Info			<b>03 May 2023</b>	---	---
Machine Age	hrs	Client Info		<b>44110</b>	---	---
Oil Age	hrs	Client Info		<b>408</b>	---	---
Oil Changed	Client Info			<b>Changed</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>50	<b>2</b>	---	---
Chromium	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>9	<b>2</b>	---	---
Lead	ppm	ASTM D5185(m)	>30	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185(m)	>35	<b>2</b>	---	---
Tin	ppm	ASTM D5185(m)	>4	<b>0</b>	---	---
Antimony	ppm	ASTM D5185(m)		<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	---	---

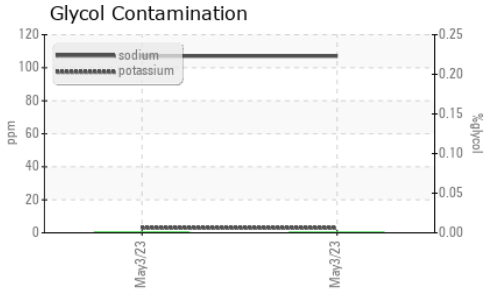
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	2	<b>7</b>	---	---
Barium	ppm	ASTM D5185(m)	3	<b>&lt;1</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	0	<b>4</b>	---	---
Manganese	ppm	ASTM D5185(m)	0	<b>0</b>	---	---
Magnesium	ppm	ASTM D5185(m)	4	<b>10</b>	---	---
Calcium	ppm	ASTM D5185(m)	1727	<b>1781</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	272	<b>277</b>	---	---
Zinc	ppm	ASTM D5185(m)	333	<b>337</b>	---	---
Sulfur	ppm	ASTM D5185(m)	3415	<b>2713</b>	---	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>+100	<b>3</b>	---	---
Sodium	ppm	ASTM D5185(m)		<b>107</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>3</b>	---	---
Glycol	%	ASTM D7922*		<b>0.0</b>	---	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		<b>0</b>	---	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>4.8</b>	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>16.1</b>	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>8.9</b>	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*	1.1	<b>1.54</b>	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*	4.9	<b>4.51</b>	---	---
i-pH	Scale 0-14	ASTM D7946*	<4.5	<b>6.13</b>	---	---

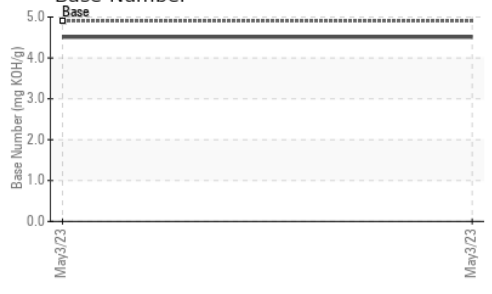
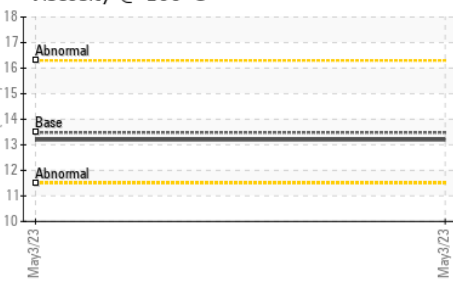
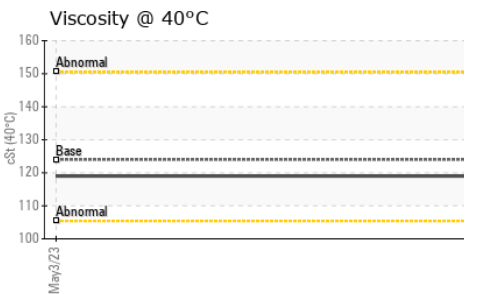
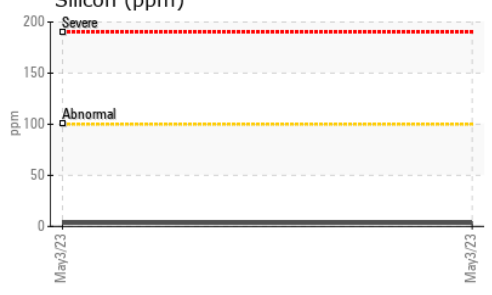
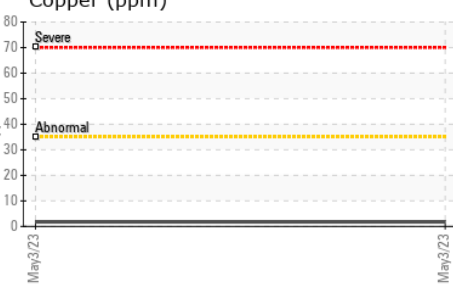
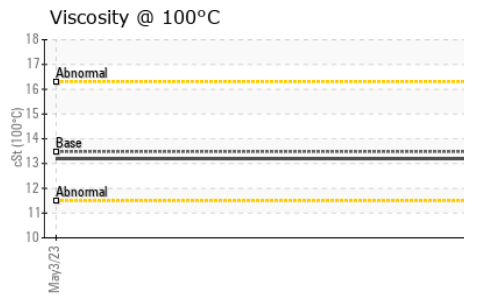
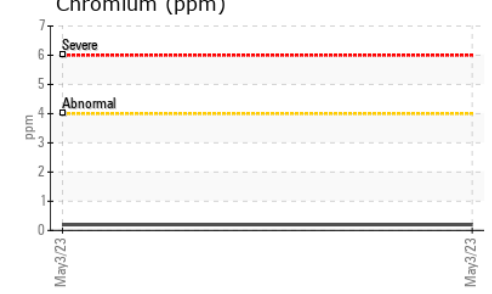
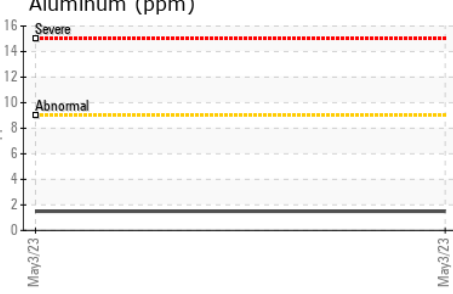
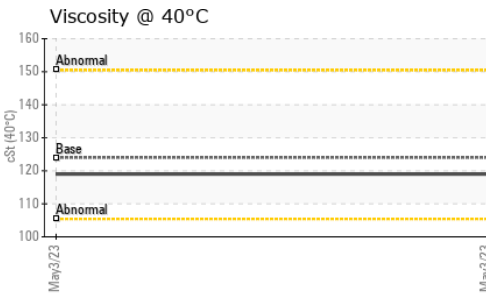
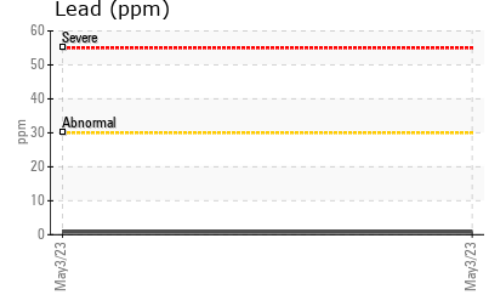
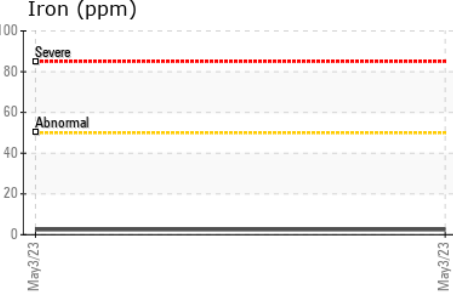
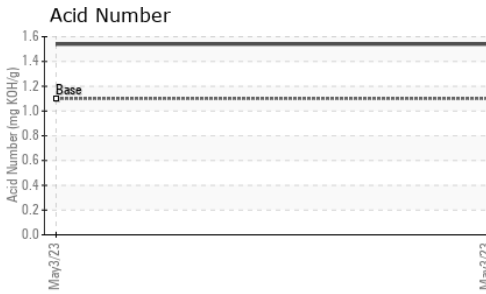
# OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	---
Free Water	scalar	Visual*		<b>NEG</b>	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	124	<b>119</b>	---
Visc @ 100°C	cSt	ASTM D7279(m)	13.48	<b>13.2</b>	---
Viscosity Index (VI)	Scale	ASTM D2270*	104	<b>105</b>	---

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0074678  
**Lab Number** : 02590247  
**Unique Number** : 5659313  
**Test Package** : MOB 2 ( Additional Tests: Glycol, i-pH, KV40, TAN Auto, TAN Man, VI )

**Martin Energy Group Canada**  
 1050 Boyde Lane RR#1  
 Linwood, ON  
 CA N0B 2A0  
 Contact: J Wagler  
 jwagler@martinenergygroup.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: