



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**GUASCOR MCMaster NG 1**  
 Component  
**Natural Gas Engine**  
 Fluid  
**PETRO CANADA SENTRON LD 5000 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0915631</b>	PC0078879	PC0078887
Sample Date		Client Info		<b>08 Apr 2024</b>	05 Feb 2024	12 Dec 2023
Machine Age	hrs	Client Info		<b>28416</b>	27175	25881
Oil Age	hrs	Client Info		<b>1241</b>	1294	1166
Filter Age	hrs	Client Info		<b>1241</b>	1294	1166
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>50	<b>3</b>	3	3
Chromium	ppm	ASTM D5185(m)	>4	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185(m)		<b>&lt;1</b>	4	4
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>9	<b>2</b>	1	2
Lead	ppm	ASTM D5185(m)	>30	<b>3</b>	11	9
Copper	ppm	ASTM D5185(m)	>35	<b>1</b>	2	2
Tin	ppm	ASTM D5185(m)	>4	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>VLITE</b>	---	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	NONE

## CONTAMINATION

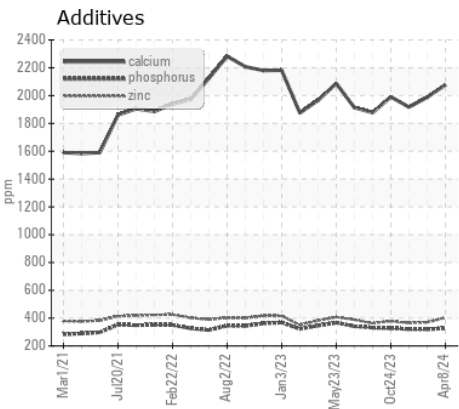
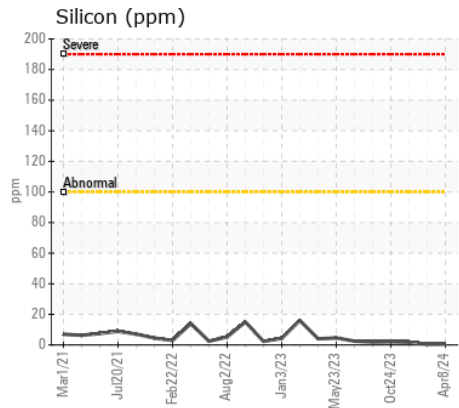
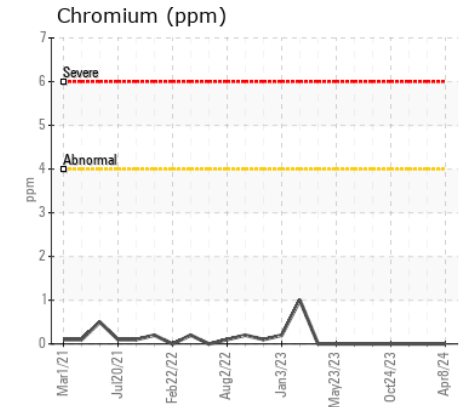
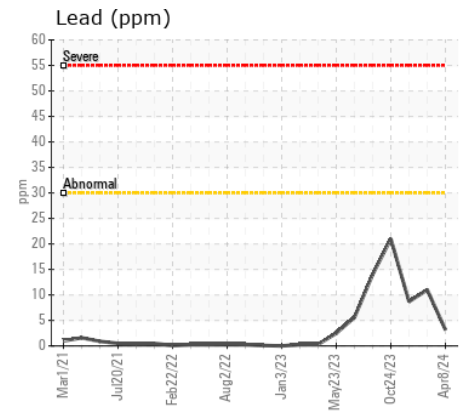
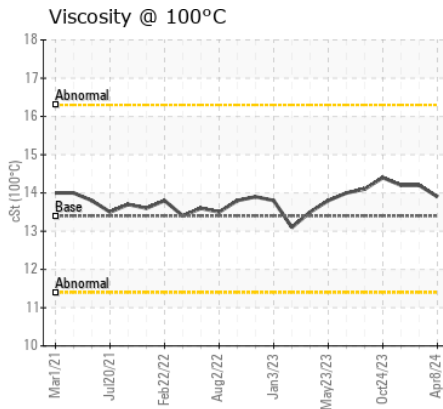
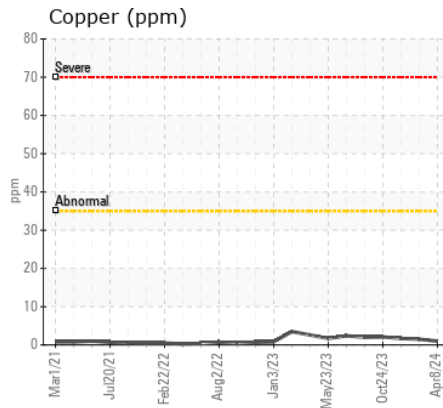
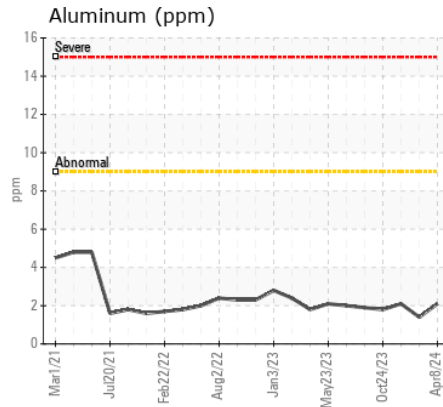
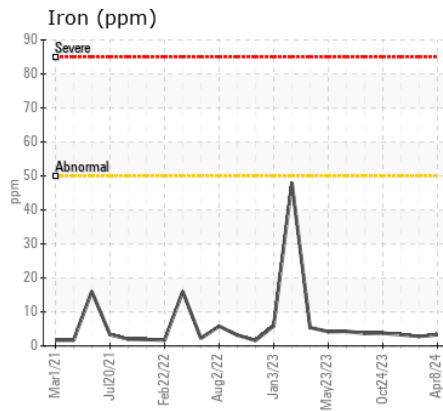
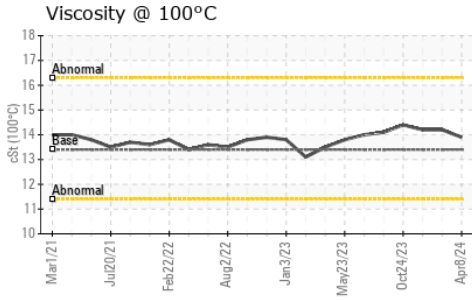
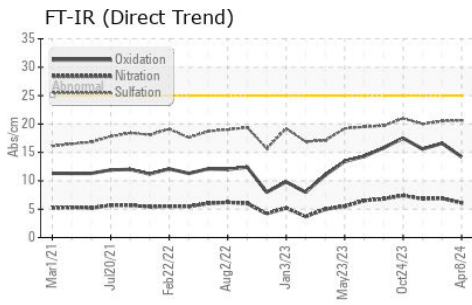
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>+100	<b>&lt;1</b>	<1	2
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	1	1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Soot %	%	ASTM D7844*		<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>6.1</b>	6.9	6.8
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>20.6</b>	20.5	20.0
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	NORML
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		<b>1</b>	3	3
Boron	ppm	ASTM D5185(m)	2	<b>7</b>	14	17
Barium	ppm	ASTM D5185(m)	3	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	0	<b>2</b>	5	7
Manganese	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)	4	<b>24</b>	20	24
Calcium	ppm	ASTM D5185(m)	1727	<b>2077</b>	1988	1917
Phosphorus	ppm	ASTM D5185(m)	272	<b>327</b>	320	321
Zinc	ppm	ASTM D5185(m)	333	<b>402</b>	370	365
Sulfur	ppm	ASTM D5185(m)	3415	<b>2708</b>	2352	2393
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>14.2</b>	16.6	15.6
Visc @ 100°C	cSt	ASTM D7279(m)	13.4	<b>13.9</b>	14.2	14.2



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0915631  
**Lab Number** : 02636012  
**Unique Number** : 5785174  
**Test Package** : MOB 1 ( Additional Tests: Visual )

**Received** : 16 May 2024  
**Tested** : 16 May 2024  
**Diagnosed** : 16 May 2024 - Wes Davis

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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