



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**MAN CREEKSIDENG1**  
 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>WC0915622</b>	PC0078882	PC0078867
Sample Date		Client Info		<b>05 Apr 2024</b>	09 Jan 2024	01 Dec 2023
Machine Age	hrs	Client Info		<b>37514</b>	35885	35023
Oil Age	hrs	Client Info		<b>785</b>	862	753
Filter Age	hrs	Client Info		<b>785</b>	862	753
Oil Changed		Client Info		<b>N/A</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>50	<b>10</b>	9	10
Chromium	ppm	ASTM D5185(m)	>4	<b>2</b>	1	2
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>9	<b>2</b>	2	2
Lead	ppm	ASTM D5185(m)	>30	<b>0</b>	2	<1
Copper	ppm	ASTM D5185(m)	>35	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

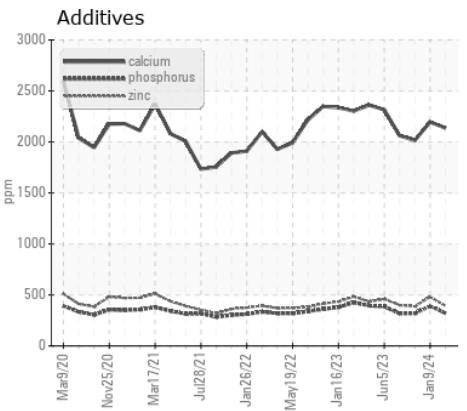
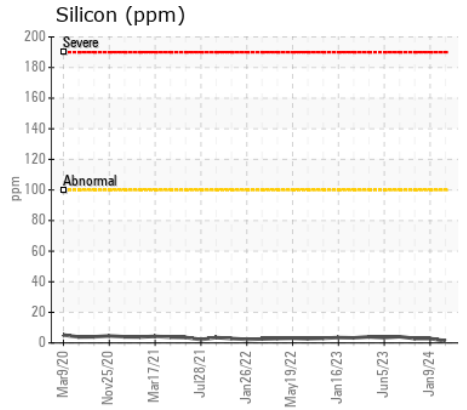
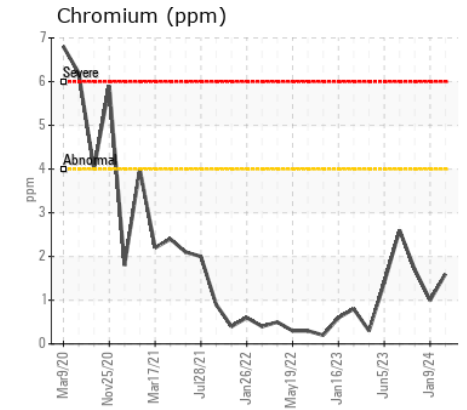
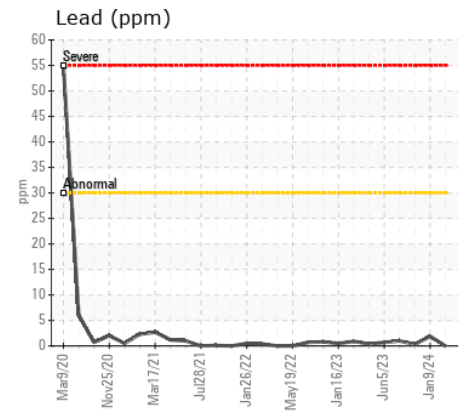
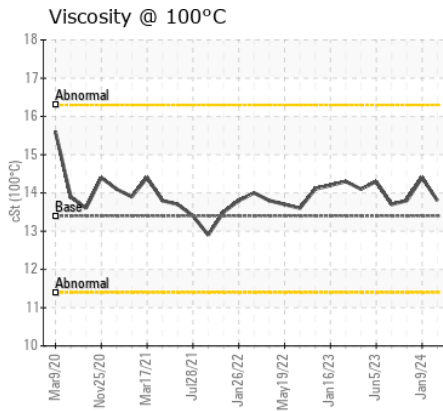
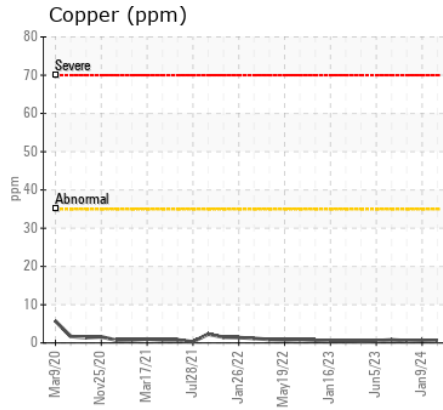
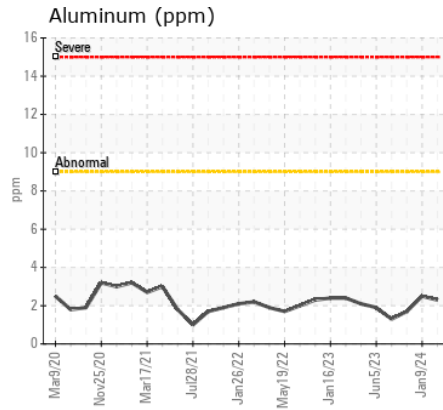
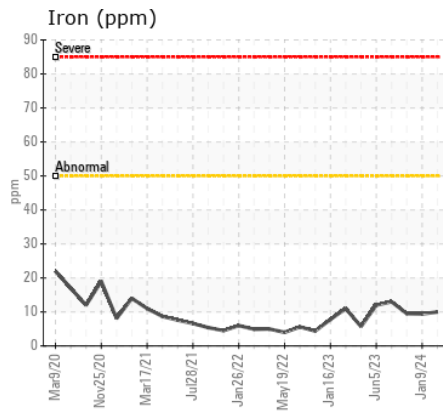
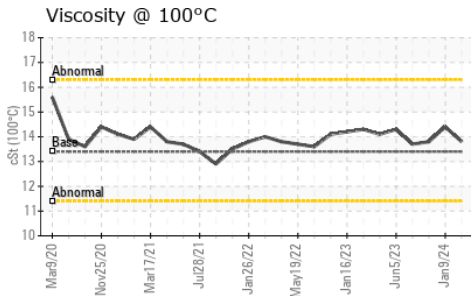
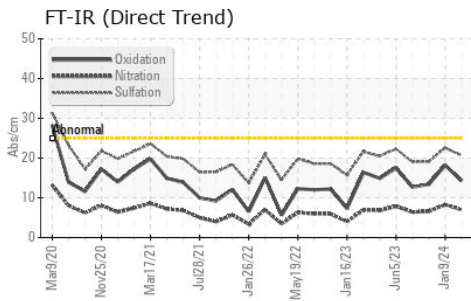
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>+100	<b>1</b>	3	3
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>7.0</b>	8.3	6.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>20.6</b>	22.6	19.1
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>&lt;1</b>	<1	<1
Boron	ppm	ASTM D5185(m)	2	<b>2</b>	<1	<1
Barium	ppm	ASTM D5185(m)	3	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	6	1
Manganese	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)	4	<b>9</b>	80	12
Calcium	ppm	ASTM D5185(m)	1727	<b>2137</b>	2195	2015
Phosphorus	ppm	ASTM D5185(m)	272	<b>322</b>	390	319
Zinc	ppm	ASTM D5185(m)	333	<b>394</b>	481	387
Sulfur	ppm	ASTM D5185(m)	3415	<b>2776</b>	2997	2976
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>14.3</b>	18.2	13.4
Visc @ 100°C	cSt	ASTM D7279(m)	13.4	<b>13.8</b>	14.4	13.8



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0915622  
**Lab Number** : 02636013  
**Unique Number** : 5785175  
**Test Package** : MOB 1

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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.