



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**WICHMANN NEELANDSLONGOSNG1**  
 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>WC0915634</b>	PC0078881	PC0078888
Sample Date		Client Info		<b>01 Apr 2024</b>	17 Jan 2024	13 Dec 2023
Machine Age	hrs	Client Info		<b>39708</b>	38115	32229
Oil Age	hrs	Client Info		<b>877</b>	836	955
Filter Age	hrs	Client Info		<b>877</b>	836	955
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)	>80	<b>10</b>	14	9
Chromium	ppm	ASTM D5185(m)	>6	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>1</b>	2	1
Lead	ppm	ASTM D5185(m)	>95	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>85	<b>1</b>	<1	<1
Tin	ppm	ASTM D5185(m)	>9	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

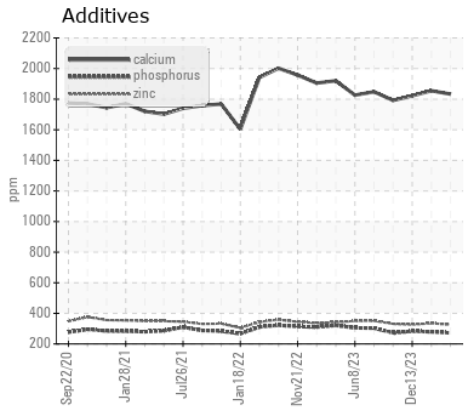
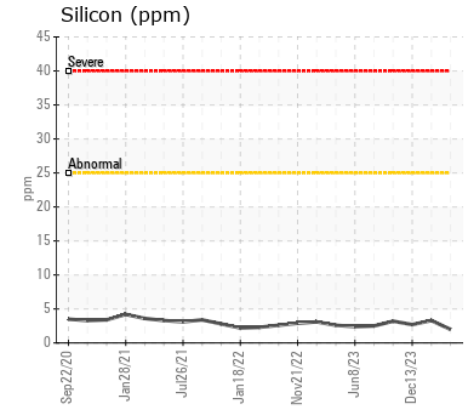
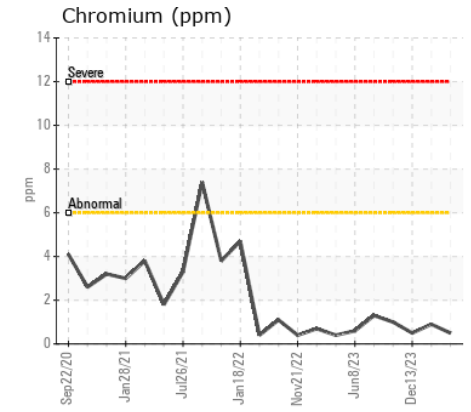
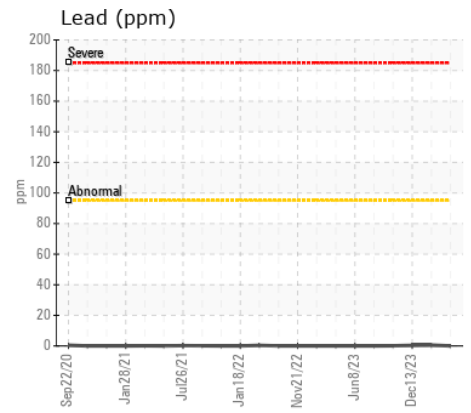
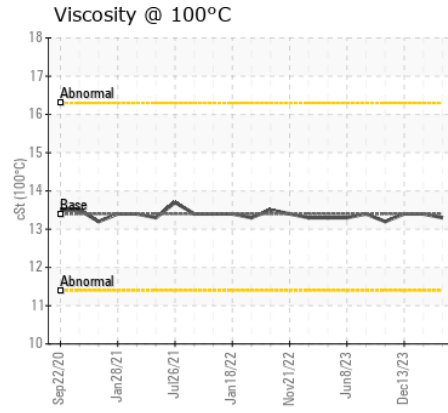
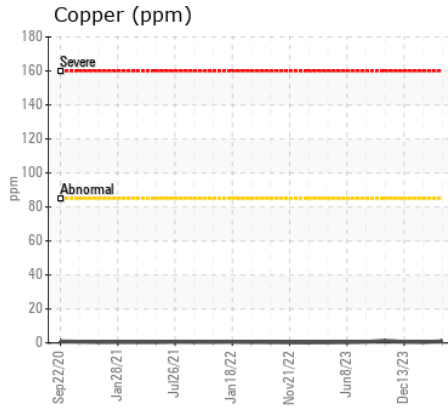
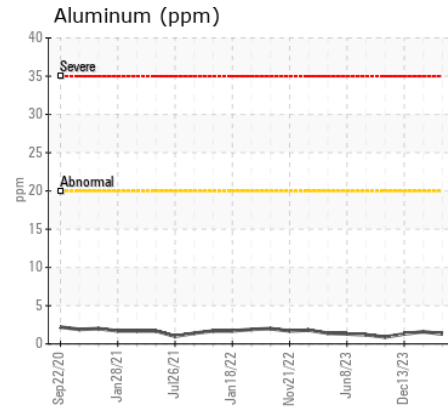
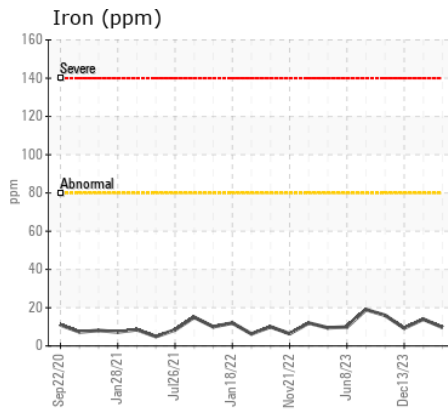
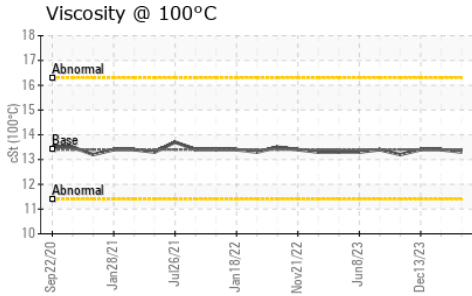
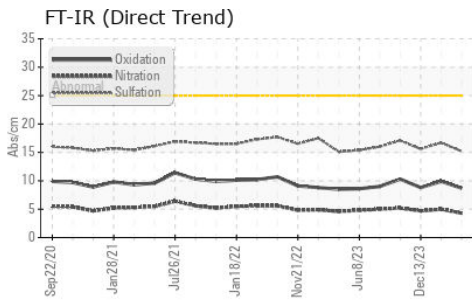
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>2</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>4.3</b>	5.0	4.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>15.2</b>	16.7	15.6
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>&lt;1</b>	<1	3
Barium	ppm	ASTM D5185(m)	3	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	1	2
Manganese	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)	4	<b>7</b>	11	11
Calcium	ppm	ASTM D5185(m)	1727	<b>1833</b>	1855	1822
Phosphorus	ppm	ASTM D5185(m)	272	<b>272</b>	279	283
Zinc	ppm	ASTM D5185(m)	333	<b>326</b>	335	327
Sulfur	ppm	ASTM D5185(m)	3415	<b>2678</b>	2882	2788
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>8.7</b>	9.9	8.8
Visc @ 100°C	cSt	ASTM D7279(m)	13.4	<b>13.3</b>	13.4	13.4



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0915634  
**Lab Number** : 02626594  
**Unique Number** : 5759726  
**Test Package** : MOB 1

**Received** : 04 Apr 2024  
**Tested** : 04 Apr 2024  
**Diagnosed** : 04 Apr 2024 - Wes Davis

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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.