



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**CHEVROLET 610 (S/N 1GNSKLED7NR271857)**

Component  
**Gasoline Engine**

Fluid  
**PETRO CANADA SUPREME 5W20 MOTOR OIL (8 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PCA0112917	PCA0112901	---
Sample Date		Client Info		29 Dec 2023	01 Dec 2023	---
Machine Age	mls	Client Info		2944	1393	---
Oil Age	mls	Client Info		1551	1393	---
Filter Age	mls	Client Info		1551	1393	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	ABNORMAL	---

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>150	16	45	---
Chromium	ppm	ASTM D5185m	>20	<1	1	---
Nickel	ppm	ASTM D5185m	>5	0	<1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m	>2	<1	0	---
Aluminum	ppm	ASTM D5185m	>40	2	5	---
Lead	ppm	ASTM D5185m	>50	2	<1	---
Copper	ppm	ASTM D5185m	>155	92	266	---
Tin	ppm	ASTM D5185m	>10	1	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

**CONTAMINATION**

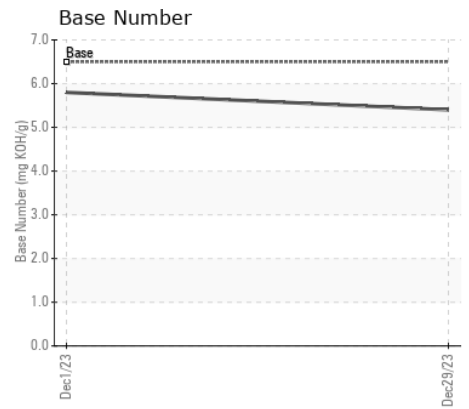
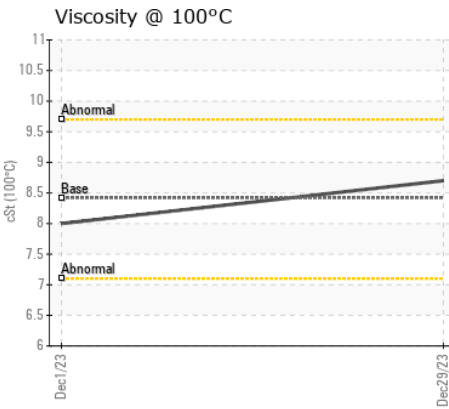
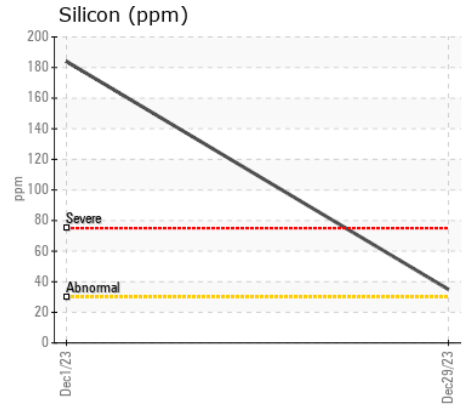
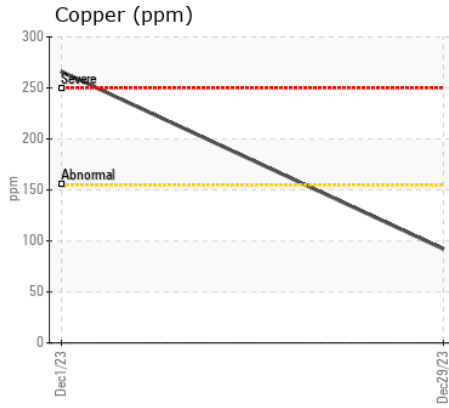
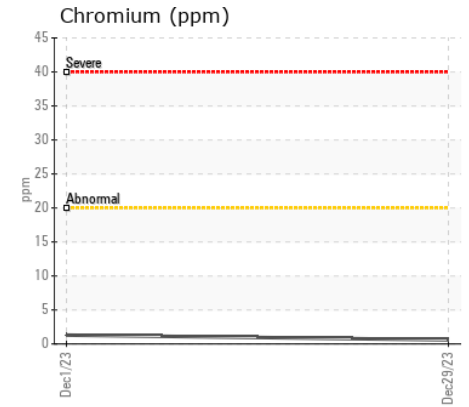
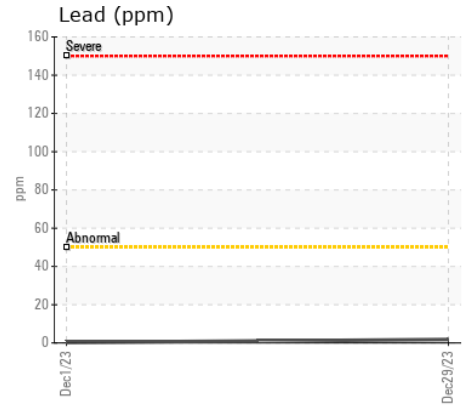
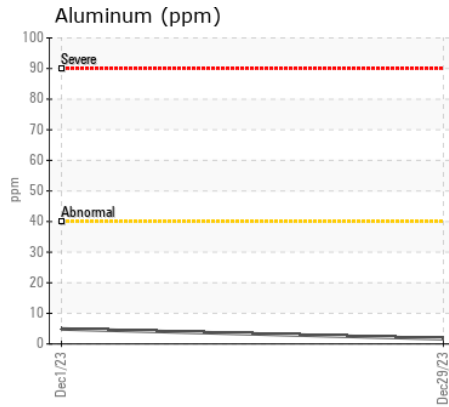
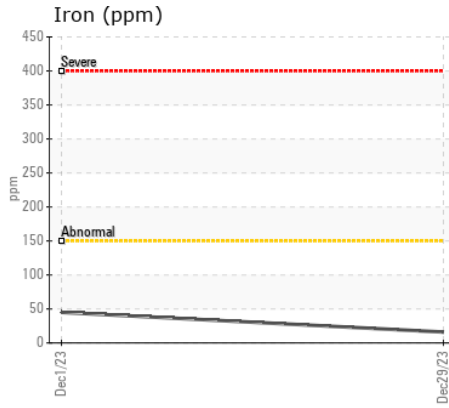
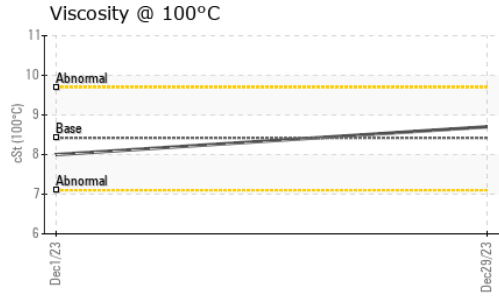
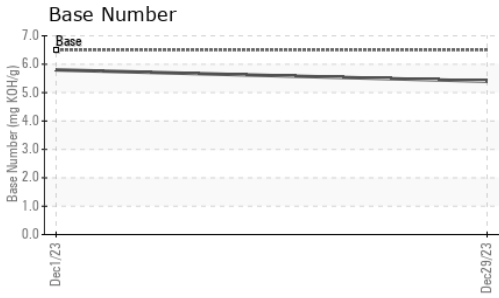
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>30	35	▲ 184	---
Potassium	ppm	ASTM D5185m	>20	3	16	---
Fuel		WC Method	>4.0	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844		0	0.1	---
Nitration	Abs/cm	*ASTM D7624	>20	7.3	6.7	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.8	16.7	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

**FLUID CONDITION**

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m	>400	2	8	---
Boron	ppm	ASTM D5185m	183	45	48	---
Barium	ppm	ASTM D5185m	0	0	0	---
Molybdenum	ppm	ASTM D5185m	36	78	148	---
Manganese	ppm	ASTM D5185m	0	8	23	---
Magnesium	ppm	ASTM D5185m	417	552	403	---
Calcium	ppm	ASTM D5185m	1318	1151	1166	---
Phosphorus	ppm	ASTM D5185m	773	685	650	---
Zinc	ppm	ASTM D5185m	845	812	740	---
Sulfur	ppm	ASTM D5185m	2690	2106	1728	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.6	10.9	---
Base Number (BN)	mg KOH/g	ASTM D2896	6.5	5.4	5.8	---
Visc @ 100°C	cSt	ASTM D445	8.42	8.7	8	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0112917 **Received** : 01 Feb 2024  
**Lab Number** : 06077444 **Diagnosed** : 02 Feb 2024  
**Unique Number** : 10859535 **Diagnostician** : Wes Davis  
**Test Package** : MOB 1 ( Additional Tests: TBN )

**VILLAGE OF NORTH RIVERSIDE**  
 2345 S DESPLAINES  
 NORTH RIVERSIDE, IL  
 US 60546  
 Contact: Service Manager  
 vznrpdw@gmail.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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F: