



# OIL ANALYSIS REPORT

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

Machine Id  
**CHEVROLET 2001 CHEVY SILVERADO**  
 Component  
**Gasoline Engine**  
 Fluid  
**SAE 5W30 (6 QTS)**

## RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time.

## WEAR

All component wear rates are normal.

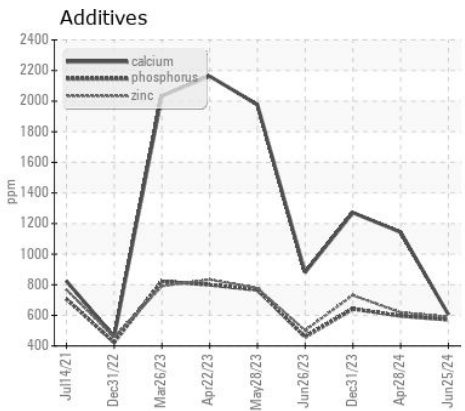
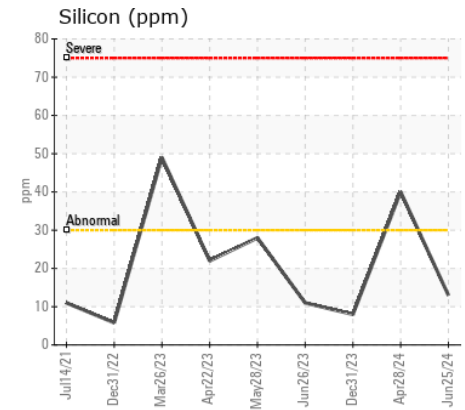
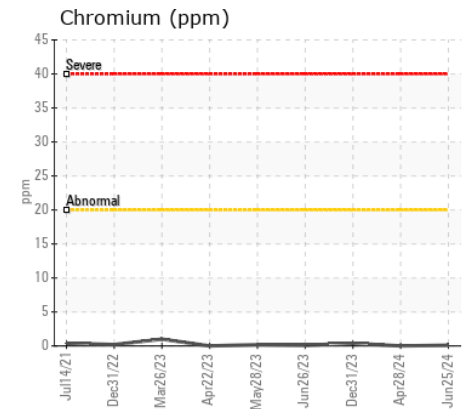
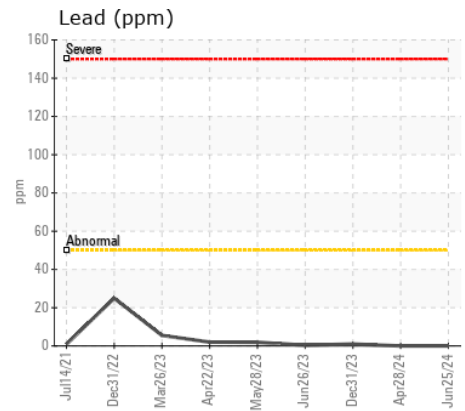
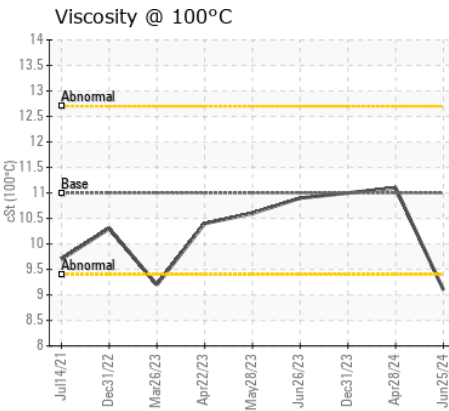
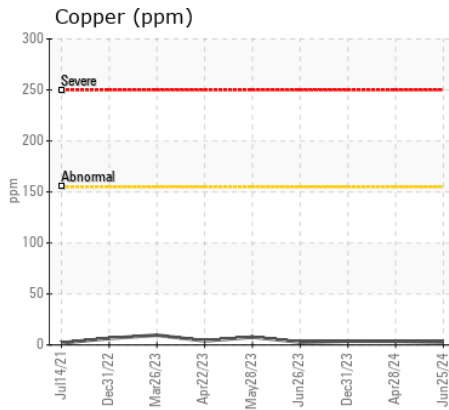
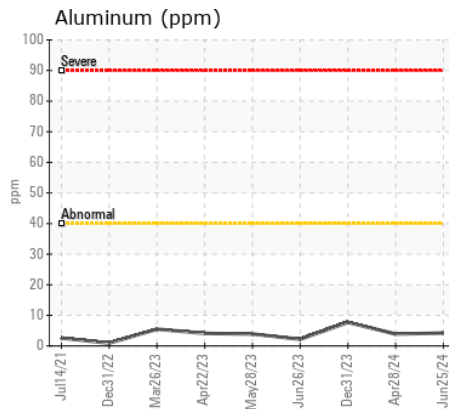
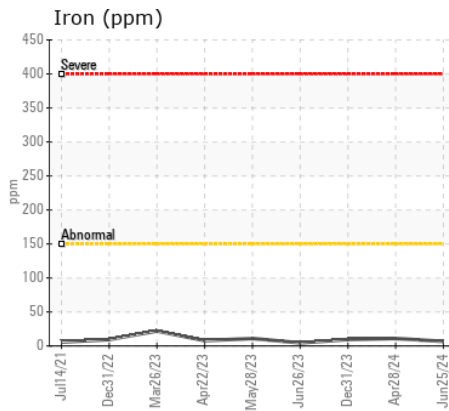
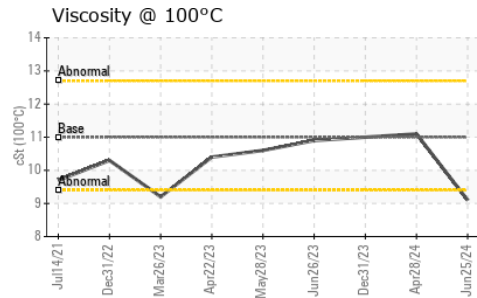
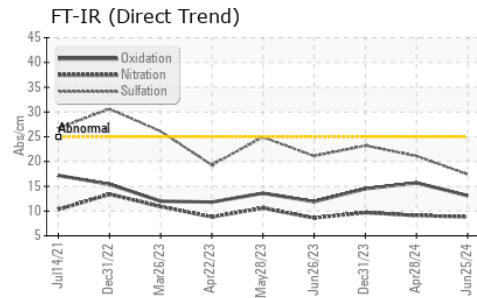
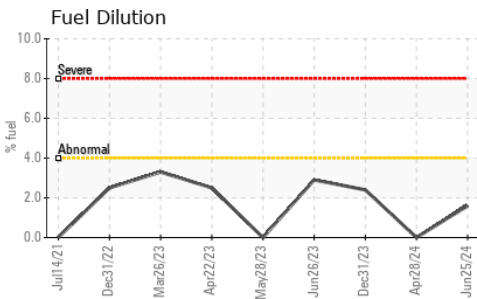
## CONTAMINATION

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Light fuel dilution occurring. No other contaminants were detected in the oil.

## FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0843108</b>	WC0843107	WC0843109
Sample Date		Client Info		<b>25 Jun 2024</b>	28 Apr 2024	31 Dec 2023
Machine Age	kms	Client Info		<b>551050</b>	545000	542000
Oil Age	kms	Client Info		<b>0</b>	0	0
Filter Age	kms	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Filter Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Sample Status				<b>NORMAL</b>	ABNORMAL	MARGINAL
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Iron	ppm	ASTM D5185(m)	>150	<b>7</b>	11	10
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>40	<b>4</b>	4	8
Lead	ppm	ASTM D5185(m)	>50	<b>0</b>	0	1
Copper	ppm	ASTM D5185(m)	>155	<b>3</b>	4	4
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	VLITE	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
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Silicon	ppm	ASTM D5185(m)	>30	<b>13</b>	▲ 40	8
Potassium	ppm	ASTM D5185(m)	>20	<b>12</b>	35	0
Fuel	%	ASTM D7593*	>4.0	<b>1.6</b>	<1.0	▲ 2.4
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	0.0	0.0
Soot %	%	ASTM D7844*		<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.8</b>	9.1	9.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>17.4</b>	21.1	23.2
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*	>0.2	<b>NEG</b>	NEG	NEG
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Sodium	ppm	ASTM D5185(m)	>400	<b>10</b>	20	25
Boron	ppm	ASTM D5185(m)		<b>74</b>	318	333
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>393</b>	20	361
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)		<b>466</b>	112	36
Calcium	ppm	ASTM D5185(m)		<b>605</b>	1143	1271
Phosphorus	ppm	ASTM D5185(m)		<b>571</b>	596	642
Zinc	ppm	ASTM D5185(m)		<b>589</b>	619	731
Sulfur	ppm	ASTM D5185(m)		<b>2433</b>	1678	2441
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>13.1</b>	15.7	14.5
Visc @ 100°C	cSt	ASTM D7279(m)	11.0	<b>9.1</b>	11.1	11.0



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0843108  
**Lab Number** : 02644734  
**Unique Number** : 5802273  
**Test Package** : MOB 1 ( Additional Tests: FuelDilution, PercentFuel, Visual )

**Received** : 28 Jun 2024  
**Tested** : 02 Jul 2024  
**Diagnosed** : 02 Jul 2024 - Kevin Marson

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.

**STEVE HOLMGREN**  
 1456 WINDSOR DR.  
 BROCKVILLE, ON  
 CA K6V 6X4  
 Contact: Steve Holmgren  
 steve.holmgren@hotmail.com  
 T: (613)246-2128  
 F: x: