



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	MARGINAL
FLUID CONDITION	NORMAL

Machine Id
CHEVROLET 2001 CHEVY SILVERADO
Component
Gasoline Engine
Fluid
GASOLINE ENGINE OIL SAE 0W30 (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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0843109	WC0802606	WC0802607
Sample Date		Client Info		31 Dec 2023	26 Jun 2023	28 May 2023
Machine Age	hrs	Client Info		542000	540000	532000
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	N/A
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				MARGINAL	MARGINAL	ATTENTION

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>150	10	4	11
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<1	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>40	8	2	4
Lead	ppm	ASTM D5185(m)	>50	1	<1	2
Copper	ppm	ASTM D5185(m)	>155	4	3	8
Tin	ppm	ASTM D5185(m)	>10	0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

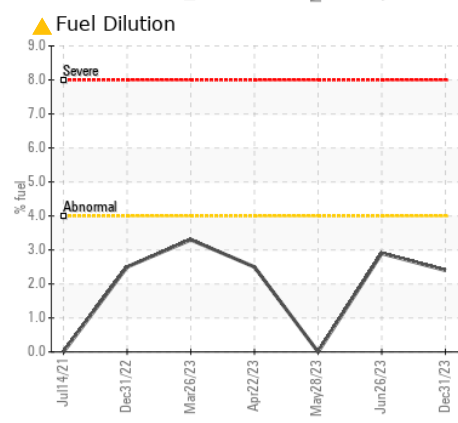
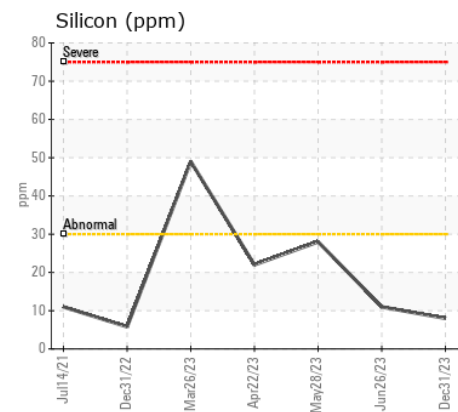
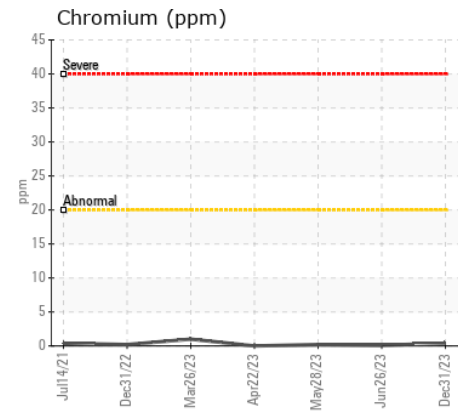
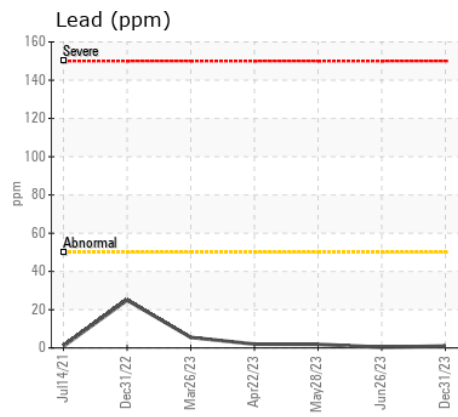
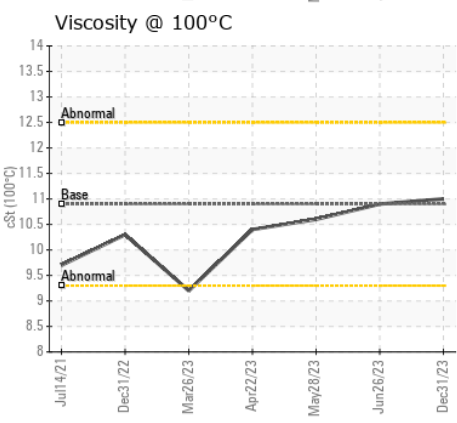
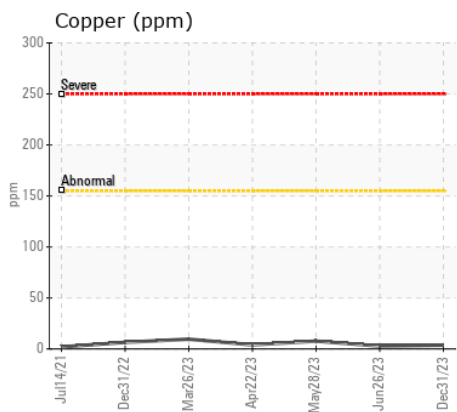
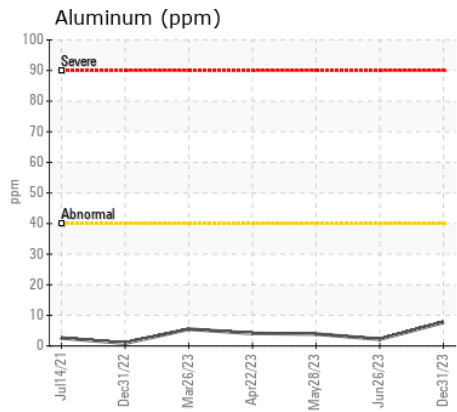
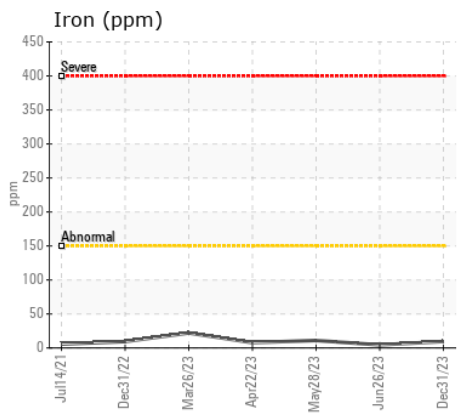
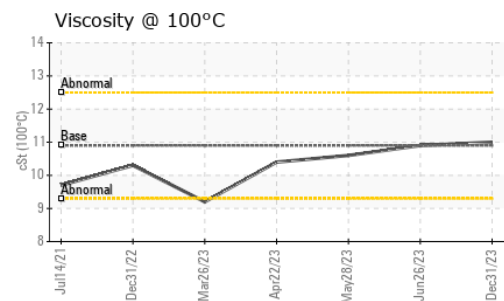
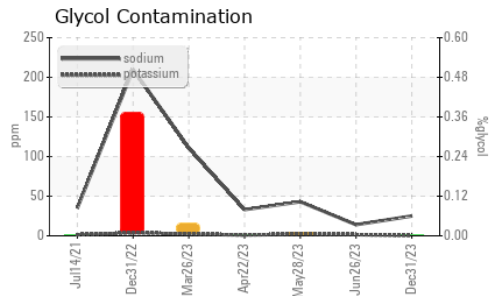
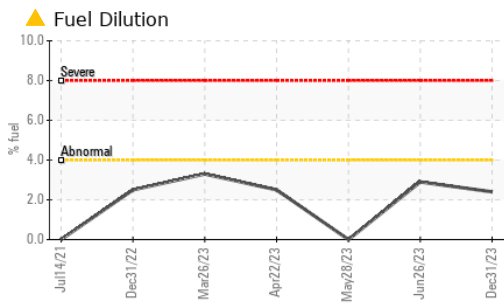
Light fuel dilution occurring. No other contaminants were detected in the oil.

Silicon	ppm	ASTM D5185(m)	>30	8	11	28
Potassium	ppm	ASTM D5185(m)	>20	0	2	2
Fuel	%	ASTM D7593*	>4.0	▲ 2.4	▲ 2.9	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol	%	ASTM D7922*		0.0	NEG	▲ 0.01
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	9.7	8.6	10.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.2	21.1	24.9
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)	>400	25	14	▲ 43
Boron	ppm	ASTM D5185(m)	75	333	45	81
Barium	ppm	ASTM D5185(m)	5	0	0	0
Molybdenum	ppm	ASTM D5185(m)	100	361	258	251
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)	12	36	389	39
Calcium	ppm	ASTM D5185(m)	2100	1271	881	1977
Phosphorus	ppm	ASTM D5185(m)	650	642	458	765
Zinc	ppm	ASTM D5185(m)	850	731	501	778
Sulfur	ppm	ASTM D5185(m)	2500	2441	1831	2273
Oxidation	Abs/.1mm	ASTM D7414*	>25	14.5	11.9	13.6
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	11.0	10.9	10.6



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0843109 **Received** : 04 Jan 2024
Lab Number : 02606538 **Diagnosed** : 05 Jan 2024
Unique Number : 5707624 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: FuelDilution, Glycol, PercentFuel)

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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.