



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
CHEVROLET 2001 CHEVY SILVERADO
 Component
Gasoline Engine
 Fluid
GASOLINE ENGINE OIL SAE 0W30 (6 QTS)

RECOMMENDATION

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. We recommend that you drain the oil from the component if this has not already been done. We recommend you service the filters on this component. We recommend an early resample to monitor this condition.

WEAR

All component wear rates are normal.

CONTAMINATION

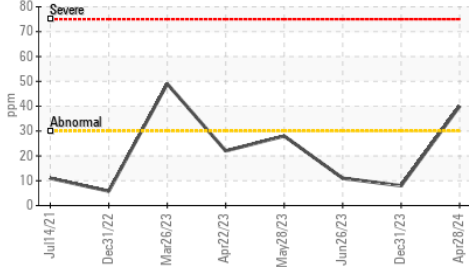
There is a moderate concentration of dirt present in the oil.

FLUID CONDITION

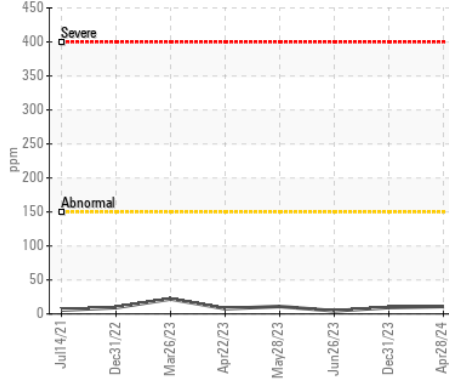
The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0843107	WC0843109	WC0802606
Sample Date		Client Info		28 Apr 2024	31 Dec 2023	26 Jun 2023
Machine Age	hrs	Client Info		545000	542000	540000
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Changed	Changed
Filter Changed		Client Info		Not Changed	Changed	Changed
Sample Status				ABNORMAL	MARGINAL	MARGINAL
<hr/>						
Iron	ppm	ASTM D5185(m)	>150	11	10	4
Chromium	ppm	ASTM D5185(m)	>20	0	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>40	4	8	2
Lead	ppm	ASTM D5185(m)	>50	0	1	<1
Copper	ppm	ASTM D5185(m)	>155	4	4	3
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	VLITE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
<hr/>						
Silicon	ppm	ASTM D5185(m)	>30	▲ 40	8	11
Potassium	ppm	ASTM D5185(m)	>20	35	0	2
Fuel		WC Method	>4.0	<1.0	▲ 2.4	▲ 2.9
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol	%	ASTM D7922*		0.0	0.0	NEG
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	9.1	9.7	8.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.1	23.2	21.1
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG
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Sodium	ppm	ASTM D5185(m)	>400	20	25	14
Boron	ppm	ASTM D5185(m)	75	318	333	45
Barium	ppm	ASTM D5185(m)	5	0	0	0
Molybdenum	ppm	ASTM D5185(m)	100	20	361	258
Manganese	ppm	ASTM D5185(m)		0	0	<1
Magnesium	ppm	ASTM D5185(m)	12	112	36	389
Calcium	ppm	ASTM D5185(m)	2100	1143	1271	881
Phosphorus	ppm	ASTM D5185(m)	650	596	642	458
Zinc	ppm	ASTM D5185(m)	850	619	731	501
Sulfur	ppm	ASTM D5185(m)	2500	1678	2441	1831
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.7	14.5	11.9
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	11.1	11.0	10.9

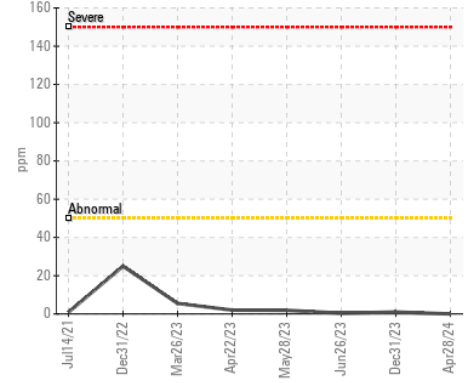
▲ Silicon (ppm)



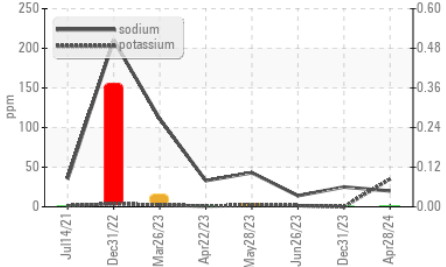
Iron (ppm)



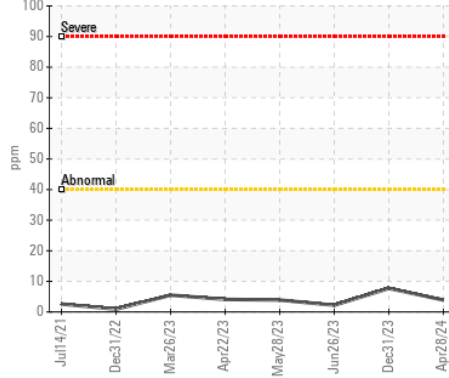
Lead (ppm)



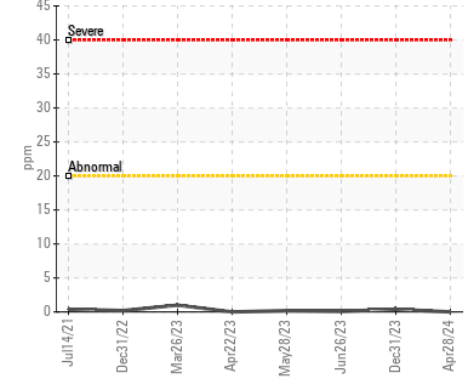
Glycol Contamination



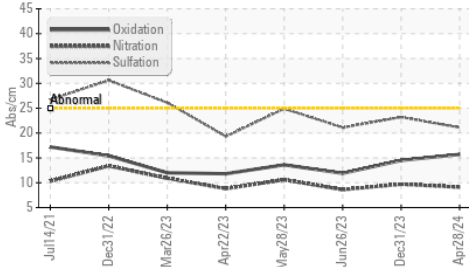
Aluminum (ppm)



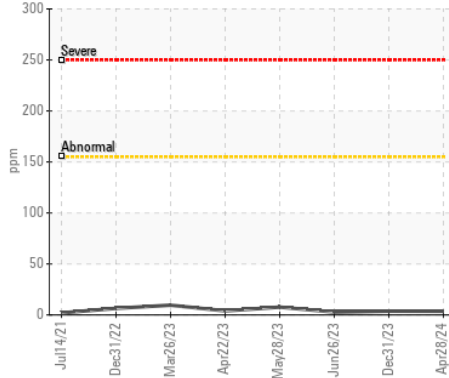
Chromium (ppm)



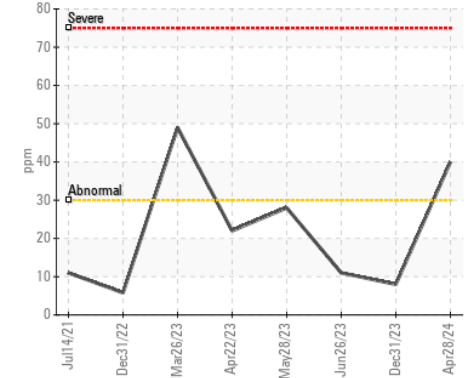
FT-IR (Direct Trend)



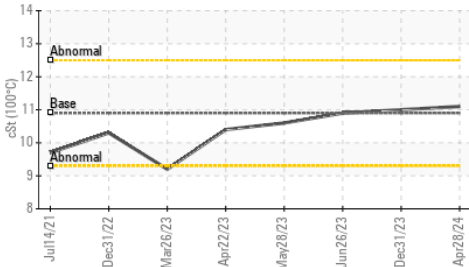
Copper (ppm)



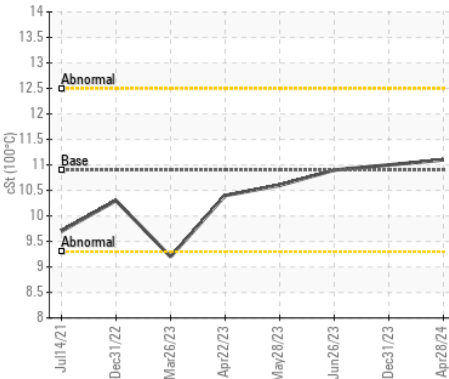
▲ Silicon (ppm)



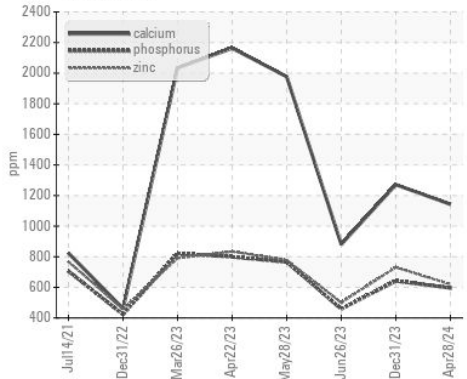
Viscosity @ 100°C



Viscosity @ 100°C



Additives



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0843107
Lab Number : 02632657
Unique Number : 5773810
Test Package : MOB 1 (Additional Tests: Glycol, Visual)

Received : 02 May 2024
Tested : 02 May 2024
Diagnosed : 03 May 2024 - Kevin Marson

STEVE HOLMGREN
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F: x:

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.