TRAAP
Texas Refinery Advanced Analysis Program

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
CHEVROLET 2007 AVALANCHE
Component
Gasoline Engine
Fluid
TRC PRO-SPEC MULTI VISC 5W30 (6 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

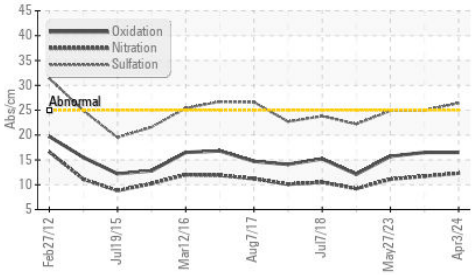
There is no indication of any contamination in the oil.

FLUID CONDITION

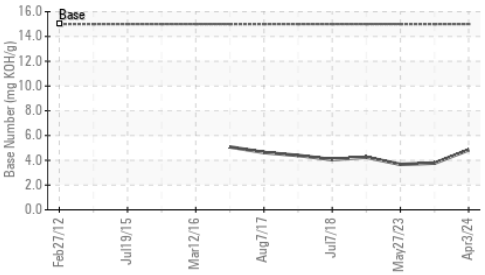
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR02631587	TR02596517	TR02562581
Sample Date		Client Info		03 Apr 2024	30 Oct 2023	27 May 2023
Machine Age	kms	Client Info		256254	244969	236895
Oil Age	kms	Client Info		11285	8074	9458
Filter Age	kms	Client Info		11285	8074	9458
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>150	17	8	12
Chromium	ppm	ASTM D5185(m)	>20	<1	0	<1
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>40	4	2	4
Lead	ppm	ASTM D5185(m)	>50	1	2	1
Copper	ppm	ASTM D5185(m)	>155	2	3	3
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	<1
Silicon	ppm	ASTM D5185(m)	>30	6	4	6
Potassium	ppm	ASTM D5185(m)	>20	<1	0	2
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	12.3	11.7	11.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	26.4	25.0	24.9
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)	>400	4	1	4
Boron	ppm	ASTM D5185(m)		39	33	56
Barium	ppm	ASTM D5185(m)		0	<1	0
Molybdenum	ppm	ASTM D5185(m)		120	115	77
Manganese	ppm	ASTM D5185(m)		<1	0	<1
Magnesium	ppm	ASTM D5185(m)		417	455	456
Calcium	ppm	ASTM D5185(m)	4200	1782	1350	1412
Phosphorus	ppm	ASTM D5185(m)	800	740	646	709
Zinc	ppm	ASTM D5185(m)	800	833	738	724
Sulfur	ppm	ASTM D5185(m)		2445	1958	2338
Oxidation	Abs/.1mm	ASTM D7414*	>25	16.5	16.5	15.7
Base Number (BN)	mg KOH/g	ASTM D2896*	15	4.84	3.77	3.67
Visc @ 100°C	cSt	ASTM D7279(m)	9.98	10.4	10.1	9.8

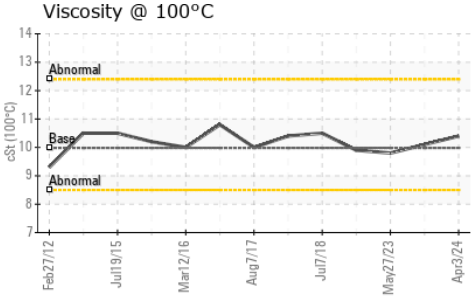
FT-IR (Direct Trend)



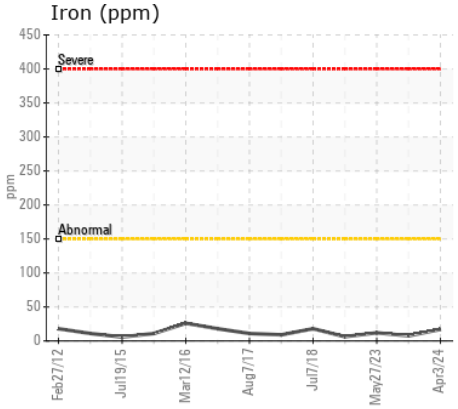
Base Number



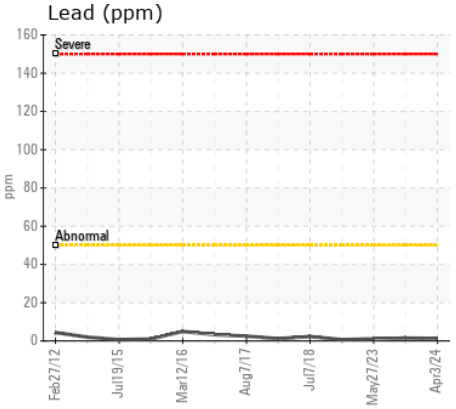
Viscosity @ 100°C



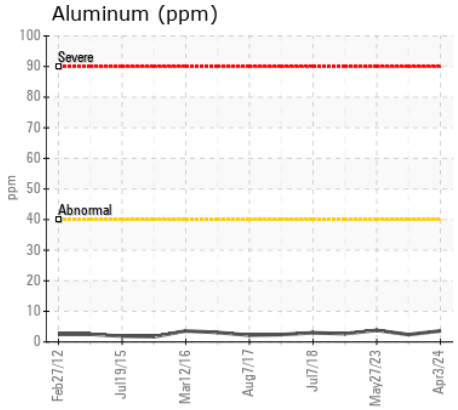
Iron (ppm)



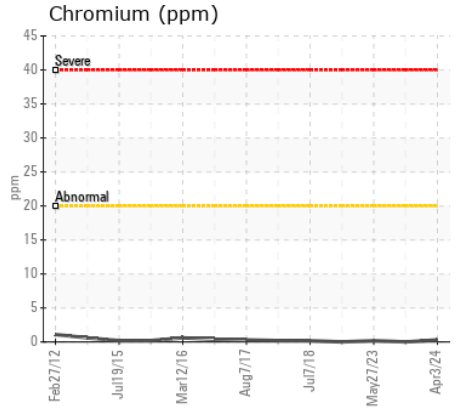
Lead (ppm)



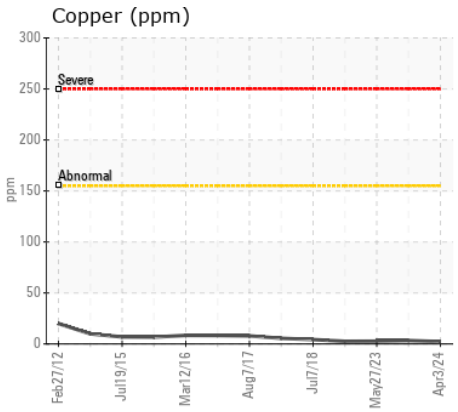
Aluminum (ppm)



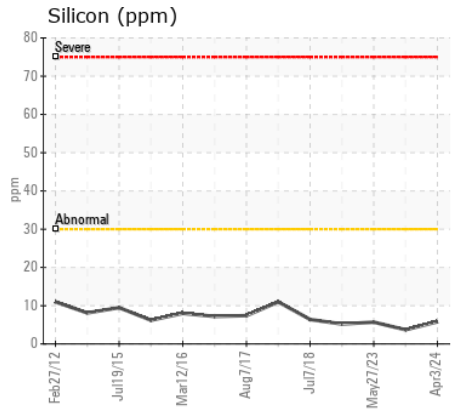
Chromium (ppm)



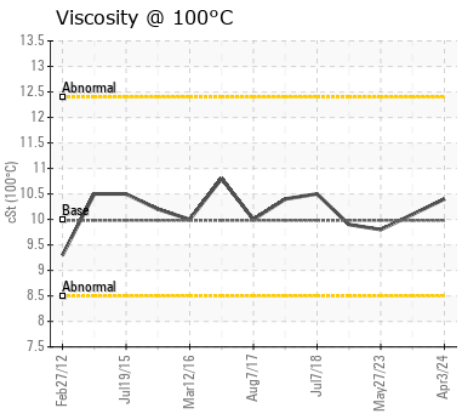
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



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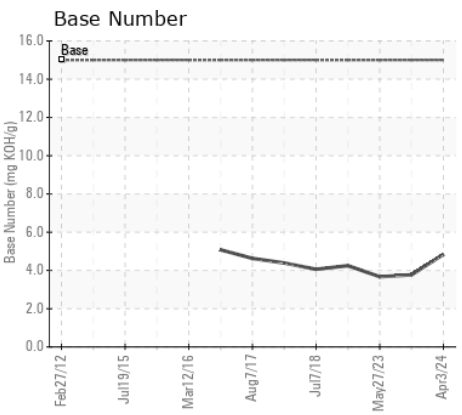

CALA
ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : TR02631587
Lab Number : 02631587
Unique Number : 5772740
Test Package : MOB 2

Received : 26 Apr 2024
Tested : 26 Apr 2024
Diagnosed : 26 Apr 2024 - Wes Davis

PAT LEITH
1686 BADER CRESCENT
SASKATOON, SK
CA S7M 3V3
Contact: PAT

T: (306)384-2959
F:

To discuss this sample report, contact Customer Service at 1-800-827-0711.
** - 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)