TRAAP
Texas Refinery Advanced Analysis Program

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
2008 CHEVROLET 2008 CHEVY SILVERADO
Component
Gasoline Engine
Fluid
TRC PRO-SPEC MULTI VISC 5W30 (6 QTS)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

Cylinder, crank, or cam shaft wear is indicated.

CONTAMINATION

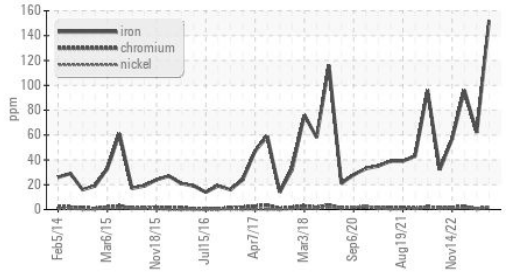
There is no indication of any contamination in the oil.

FLUID CONDITION

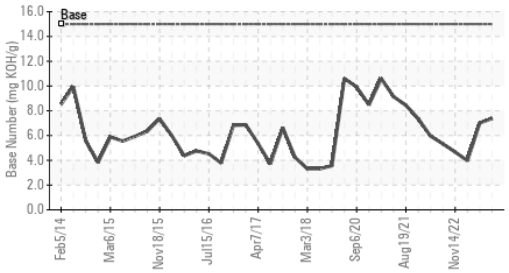
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR06054161	TR05892377	TR05731157
Sample Date		Client Info		23 Dec 2023	23 Mar 2023	31 Dec 2022
Machine Age	mls	Client Info		306500	298999	294000
Oil Age	mls	Client Info		10500	2999	4000
Filter Age	mls	Client Info		10500	2999	4000
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				ABNORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>150	▲ 152	62	96
Chromium	ppm	ASTM D5185m	>20	1	<1	2
Nickel	ppm	ASTM D5185m	>5	2	<1	1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>40	12	3	14
Lead	ppm	ASTM D5185m	>50	10	1	16
Copper	ppm	ASTM D5185m	>155	9	4	9
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>30	20	14	19
Potassium	ppm	ASTM D5185m	>20	2	<1	3
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		0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	13.8	9.4	14.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.3	19.4	28.7
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m	>400	6	3	6
Boron	ppm	ASTM D5185m		17	59	14
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		268	269	231
Manganese	ppm	ASTM D5185m		2	<1	2
Magnesium	ppm	ASTM D5185m		460	463	355
Calcium	ppm	ASTM D5185m	4200	1396	1380	1917
Phosphorus	ppm	ASTM D5185m	800	676	655	738
Zinc	ppm	ASTM D5185m	800	827	793	946
Sulfur	ppm	ASTM D5185m		2134	2372	2710
Oxidation	Abs/.1mm	*ASTM D7414	>25	23.0	13.1	25.9
Base Number (BN)	mg KOH/g	ASTM D2896	15	7.37	7.02	3.96
Visc @ 100°C	cSt	ASTM D445	9.98	10.2	10.1	11.0

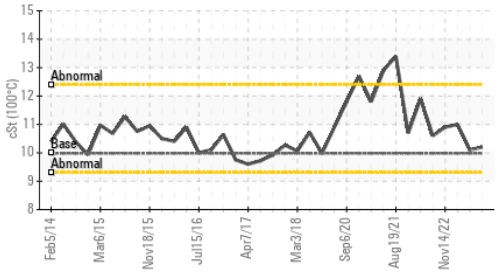
Ferrous Alloys



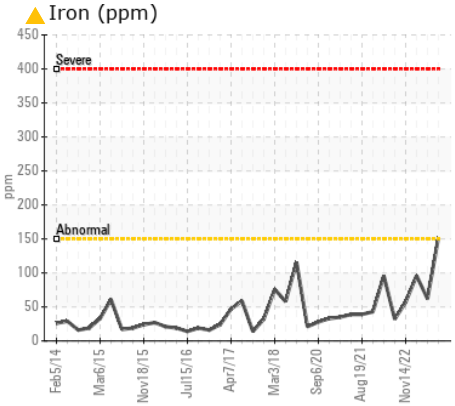
Base Number



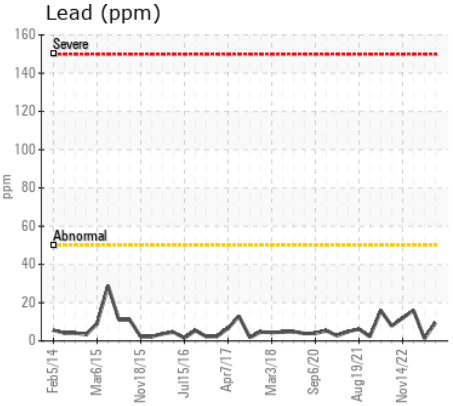
Viscosity @ 100°C



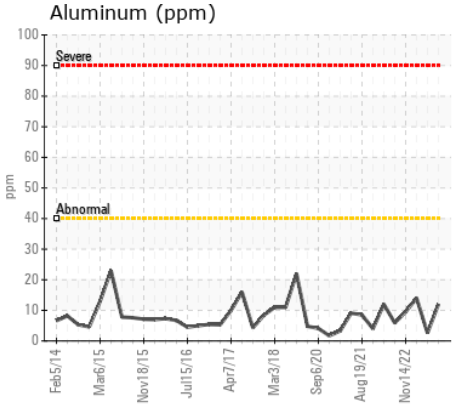
Iron (ppm)



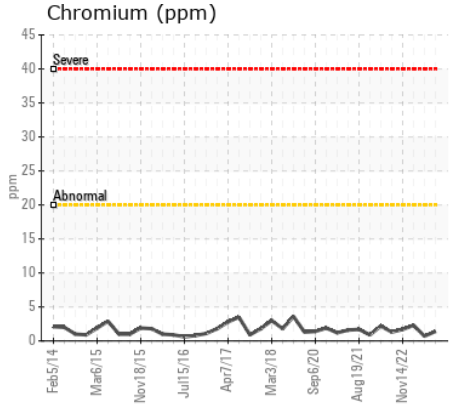
Lead (ppm)



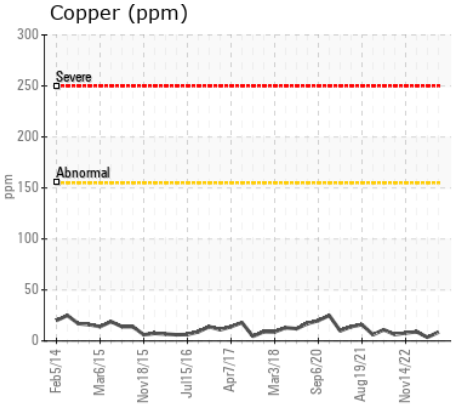
Aluminum (ppm)



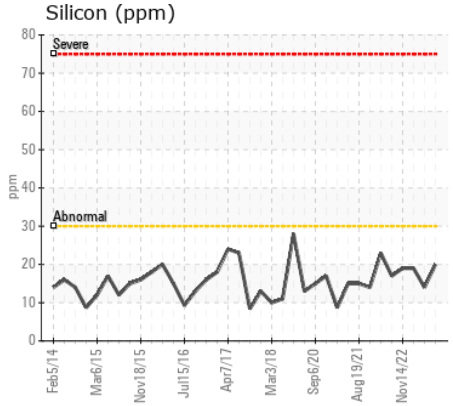
Chromium (ppm)



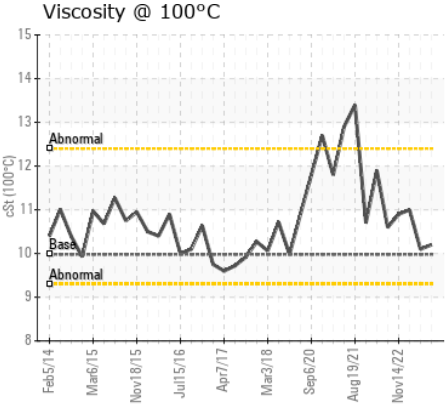
Copper (ppm)



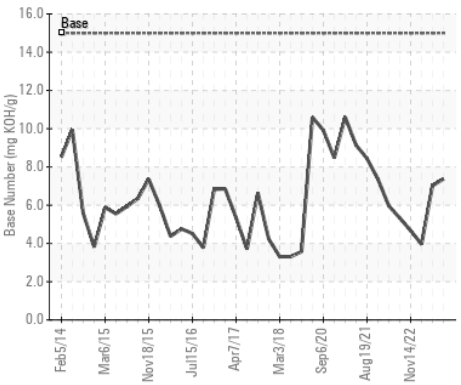
Silicon (ppm)



Viscosity @ 100°C



Base Number



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TR06054161
Lab Number : 06054161
Unique Number : 10820110
Test Package : MOB 2

Recieved : 08 Jan 2024
Diagnosed : 09 Jan 2024
Diagnostician : Sean Felton

Certificate L2367

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)

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