



TRAAP

Texas Refinery Advanced Analysis Program

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**CHEVROLET SILVERADO 2500 1GC1KVEY0HF167929**  
 Component  
**Diesel Engine**  
 Fluid  
**TRC MOLY XL PRO-SPEC IV HD SYN 5W40 (3 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR06177909	TR06050331	TR05905035
Sample Date		Client Info		08 May 2024	27 Sep 2023	08 Jul 2023
Machine Age	mls	Client Info		205000	184901	176325
Oil Age	mls	Client Info		11000	8576	8318
Filter Age	mls	Client Info		11000	8576	8318
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>100	61	17	20
Chromium	ppm	ASTM D5185m	>20	1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>20	4	4	5
Lead	ppm	ASTM D5185m	>40	0	<1	0
Copper	ppm	ASTM D5185m	>330	0	<1	<1
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

**CONTAMINATION**

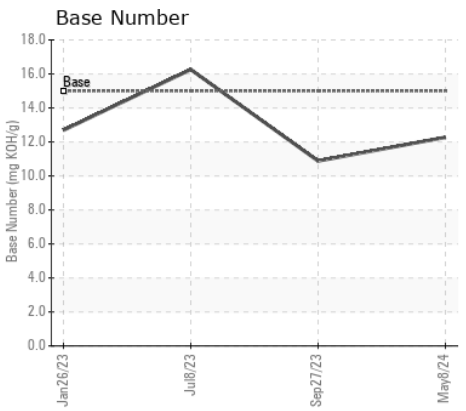
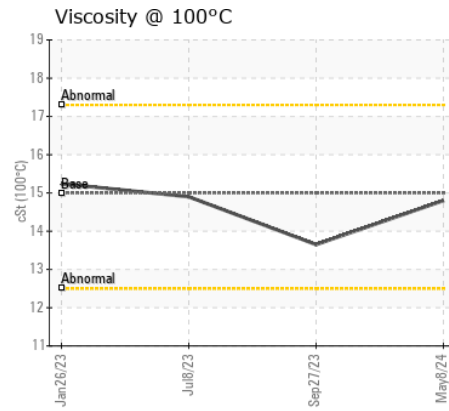
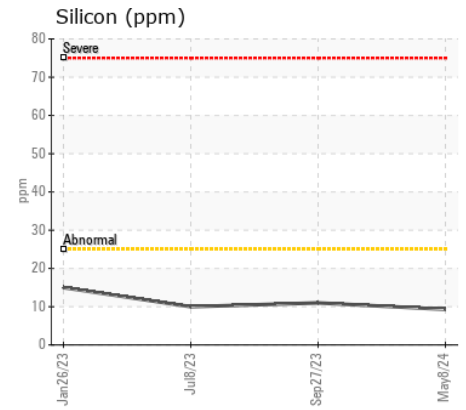
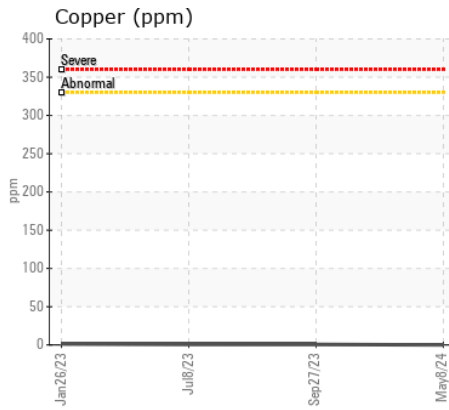
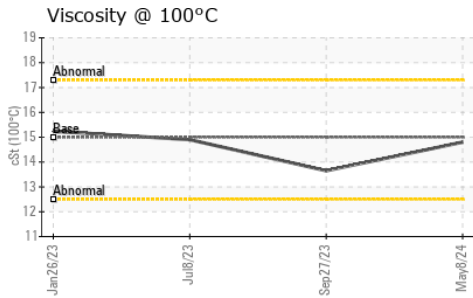
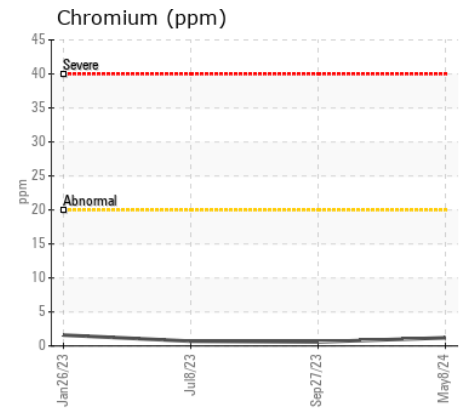
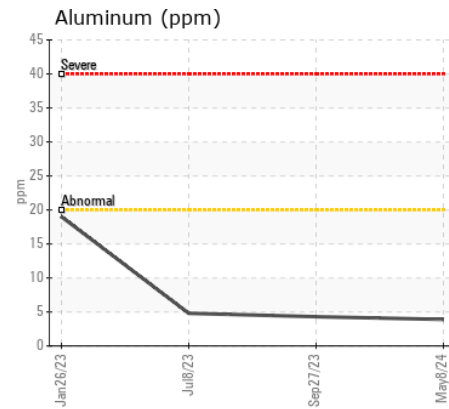
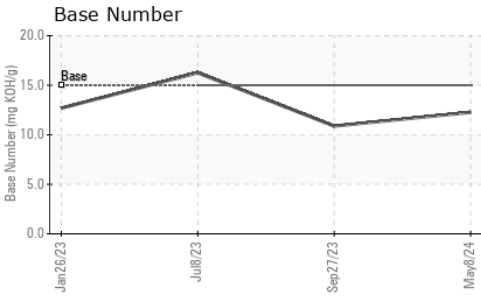
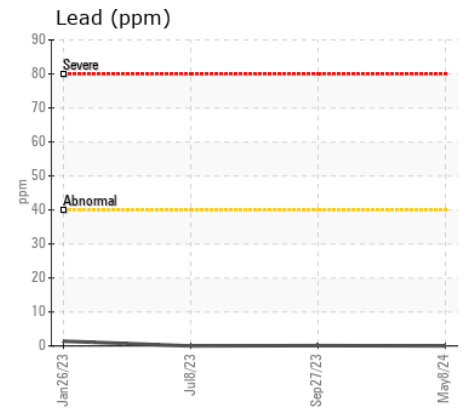
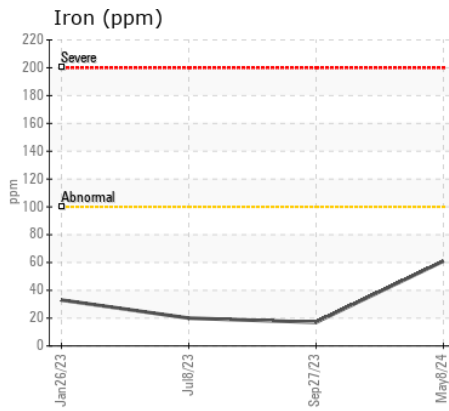
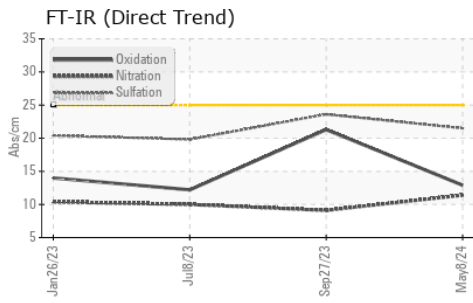
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	9	11	10
Potassium	ppm	ASTM D5185m	>20	5	6	7
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.6	0.5	0.4
Nitration	Abs/cm	*ASTM D7624	>20	11.4	9.1	10.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.5	23.6	19.8
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

**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.

Sodium	ppm	ASTM D5185m		1	3	1
Boron	ppm	ASTM D5185m		10	36	26
Barium	ppm	ASTM D5185m		1	<1	<1
Molybdenum	ppm	ASTM D5185m		105	49	1
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		29	505	26
Calcium	ppm	ASTM D5185m	4500	4028	2182	4333
Phosphorus	ppm	ASTM D5185m		927	1217	949
Zinc	ppm	ASTM D5185m	1200	1047	1469	1154
Sulfur	ppm	ASTM D5185m		4744	4293	4609
Oxidation	Abs/.1mm	*ASTM D7414	>25	12.9	21.3	12.2
Base Number (BN)	mg KOH/g	ASTM D2896	15	12.27	10.88	16.26
Visc @ 100°C	cSt	ASTM D445	15	14.8	13.65	14.9



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TR06177909  
**Lab Number** : 06177909  
**Unique Number** : 11029235  
**Test Package** : MOB 2

**Received** : 13 May 2024  
**Tested** : 14 May 2024  
**Diagnosed** : 14 May 2024 - Wes Davis

**LARRY SCHMIDT**  
 8703 HIGHWAY 61  
 ALLIGATOR, MS  
 US 38720-9700

Contact: LARRY SCHMIDT  
 LARRYWSCHMIDT86@YAHOO.COM

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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F: