



TRAAP

Texas Refinery Advanced Analysis Program

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**CHEVY CHEVY SUBURBAN**  
 Component  
**Gasoline Engine**  
 Fluid  
**TRC PRO-SPEC SYNTHETIC 5W30 (8 QTS)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR06104521	TR05268220	---
Sample Date		Client Info		22 Feb 2024	21 Apr 2021	---
Machine Age	mls	Client Info		72744	39955	---
Oil Age	mls	Client Info		7400	5100	---
Filter Age	mls	Client Info		7400	5100	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>150	10	13	---
Chromium	ppm	ASTM D5185m	>20	<1	1	---
Nickel	ppm	ASTM D5185m	>5	<1	<1	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m	>2	0	<1	---
Aluminum	ppm	ASTM D5185m	>40	3	4	---
Lead	ppm	ASTM D5185m	>50	2	1	---
Copper	ppm	ASTM D5185m	>155	19	29	---
Tin	ppm	ASTM D5185m	>10	<1	1	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

**CONTAMINATION**

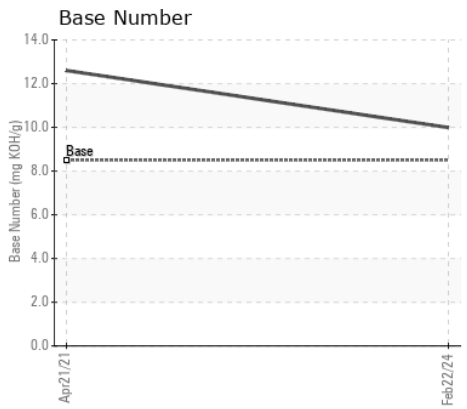
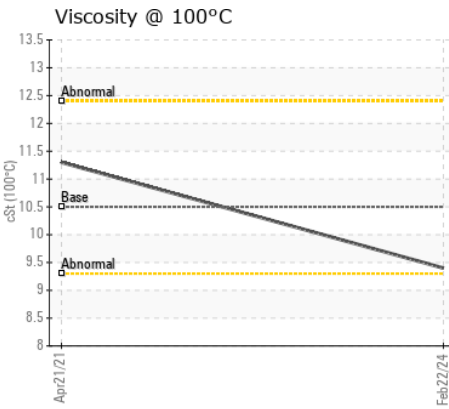
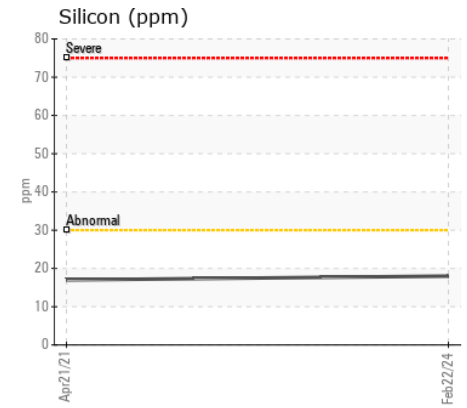
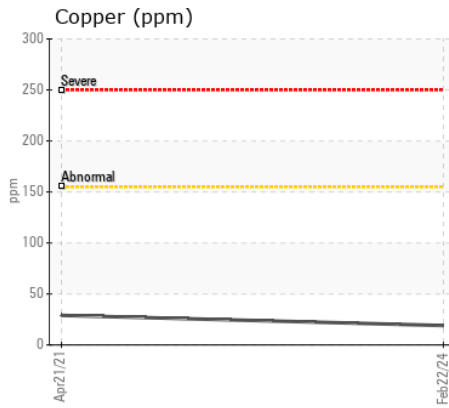
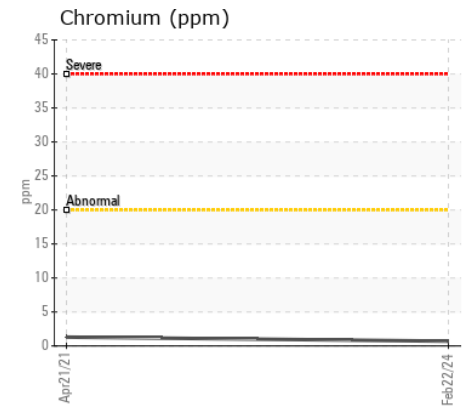
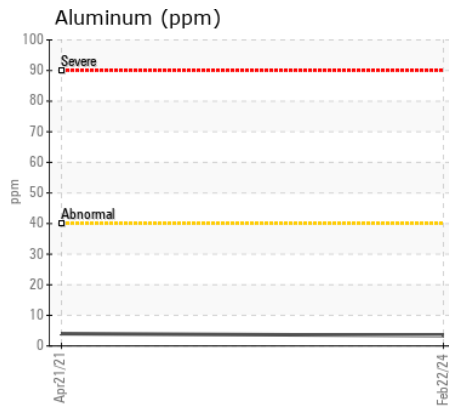
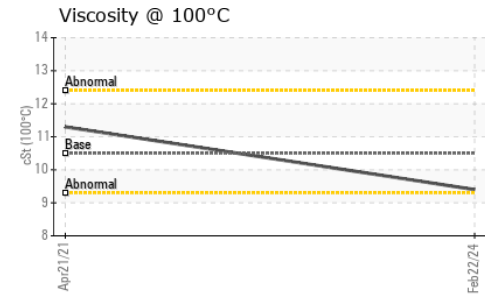
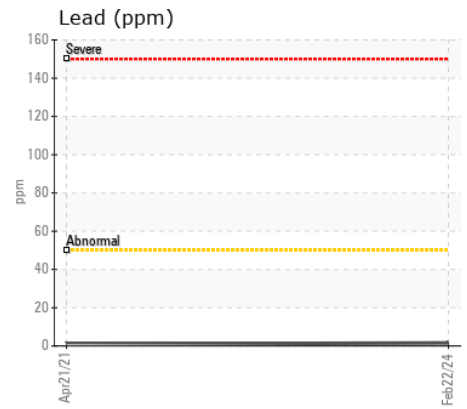
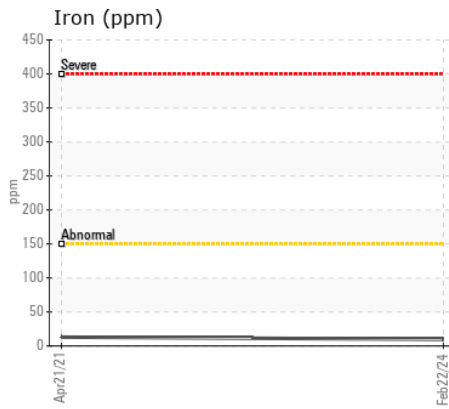
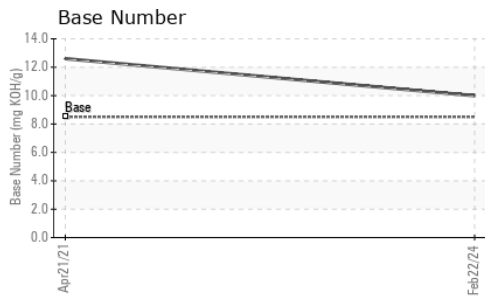
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>30	18	17	---
Potassium	ppm	ASTM D5185m	>20	2	2	---
Fuel		WC Method	>4.0	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844		0.1	0.1	---
Nitration	Abs/cm	*ASTM D7624	>20	17.6	17	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	31.2	32	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	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	>400	3	6	---
Boron	ppm	ASTM D5185m		<1	7	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m	400	<1	15	---
Manganese	ppm	ASTM D5185m		3	5	---
Magnesium	ppm	ASTM D5185m	600	18	93	---
Calcium	ppm	ASTM D5185m	1500	5400	5379	---
Phosphorus	ppm	ASTM D5185m	800	1152	1242	---
Zinc	ppm	ASTM D5185m	900	1541	1527	---
Sulfur	ppm	ASTM D5185m		4844	4768	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	22.9	23.3	---
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	9.99	12.6	---
Visc @ 100°C	cSt	ASTM D445	10.5	9.4	11.3	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TR06104521  
**Lab Number** : **06104521**  
**Unique Number** : 10902751  
**Test Package** : MOB 2  
**Received** : 29 Feb 2024  
**Tested** : 01 Mar 2024  
**Diagnosed** : 04 Mar 2024 - Don Baldrige

**JEFF HENRY**  
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 US 79015  
 Contact: MIKE LEWIS

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: