



TRAAP

Texas Refinery Advanced Analysis Program

# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**CHEVROLET ELECTRICAL SUB**  
 Component  
**Gasoline Engine**  
 Fluid  
**TRC PRO-SPEC SYNTHETIC 5W30 (6 QTS)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>TR06174746</b>	TR05998524	---
Sample Date		Client Info		<b>17 Apr 2024</b>	01 Oct 2023	---
Machine Age	mls	Client Info		<b>121181</b>	114342	---
Oil Age	mls	Client Info		<b>6839</b>	7764	---
Filter Age	mls	Client Info		<b>6839</b>	7764	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>150	<b>62</b>	65	---
Chromium	ppm	ASTM D5185m	>20	<b>2</b>	2	---
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>40	<b>8</b>	10	---
Lead	ppm	ASTM D5185m	>50	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m	>155	<b>32</b>	22	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

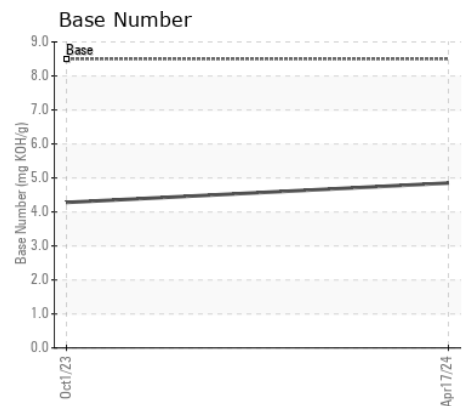
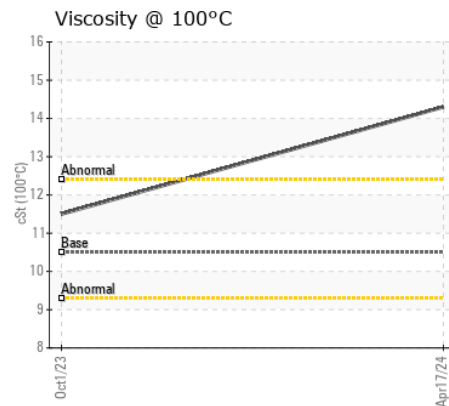
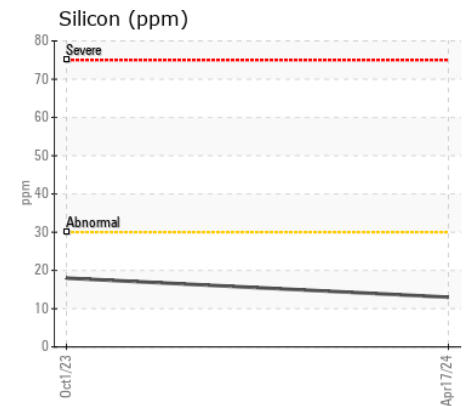
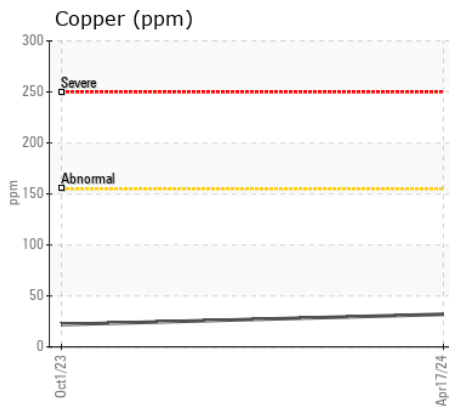
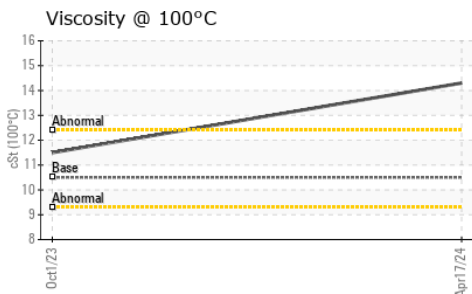
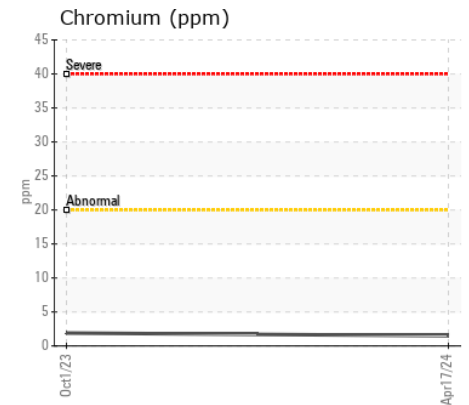
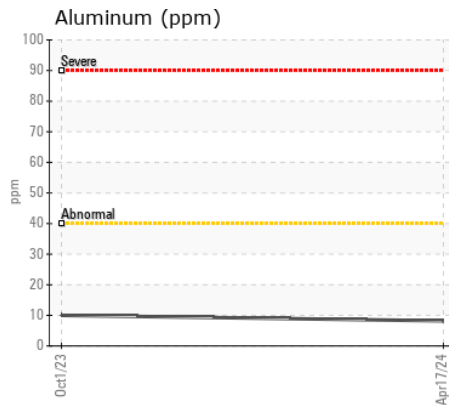
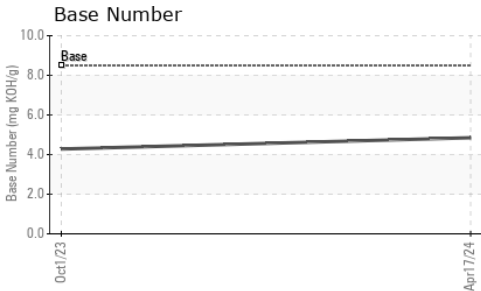
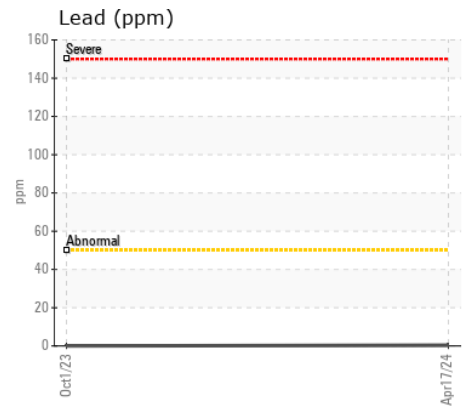
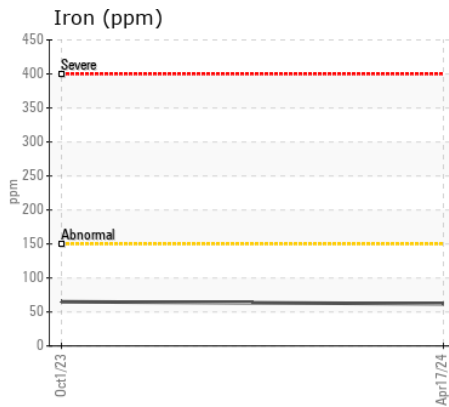
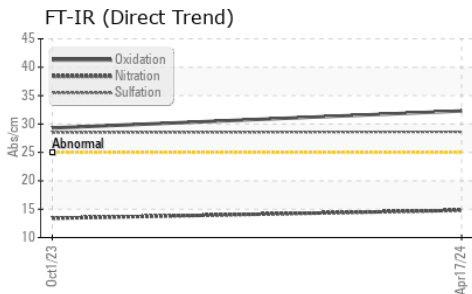
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>30	<b>13</b>	18	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	1	---
Fuel		WC Method	>4.0	<b>&lt;1.0</b>	<1.0	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
Soot %	%	*ASTM D7844		<b>0.1</b>	0.1	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>14.8</b>	13.4	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>28.6</b>	28.5	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	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	<b>4</b>	6	---
Boron	ppm	ASTM D5185m		<b>20</b>	12	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	400	<b>208</b>	215	---
Manganese	ppm	ASTM D5185m		<b>2</b>	2	---
Magnesium	ppm	ASTM D5185m	600	<b>381</b>	458	---
Calcium	ppm	ASTM D5185m	1500	<b>1257</b>	1207	---
Phosphorus	ppm	ASTM D5185m	800	<b>577</b>	647	---
Zinc	ppm	ASTM D5185m	900	<b>699</b>	844	---
Sulfur	ppm	ASTM D5185m		<b>2175</b>	2006	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>32.3</b>	29.3	---
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	<b>4.85</b>	4.28	---
Visc @ 100°C	cSt	ASTM D445	10.5	<b>14.3</b>	11.5	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TR06174746  
**Lab Number** : 06174746  
**Unique Number** : 11020799  
**Test Package** : MOB 2

**Received** : 09 May 2024  
**Tested** : 10 May 2024  
**Diagnosed** : 13 May 2024 - Sean Felton

**EAGLE CREEK COLONY**  
 333 2100 ROAD SOUTH BOX 78  
 GALATA, MT  
 US 59444  
 Contact: MARK OPHEIM

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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