



TRAAP

Texas Refinery Advanced Analysis Program

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
CHEVROLET B103E
 Component
Front Gasoline Engine
 Fluid
TRC MOLY XL PRO-SPEC III SYNTHETIC15W40 (5 QTS)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR06155278	---	---
Sample Date		Client Info		11 Apr 2024	---	---
Machine Age	mls	Client Info		207554	---	---
Oil Age	mls	Client Info		11799	---	---
Filter Age	mls	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---

WEAR

The lead level is abnormal. All other component wear rates are normal.

Iron	ppm	ASTM D5185m	>150	45	---	---
Chromium	ppm	ASTM D5185m	>20	3	---	---
Nickel	ppm	ASTM D5185m	>5	1	---	---
Titanium	ppm	ASTM D5185m		2	---	---
Silver	ppm	ASTM D5185m	>2	0	---	---
Aluminum	ppm	ASTM D5185m	>40	13	---	---
Lead	ppm	ASTM D5185m	>50	▲ 107	---	---
Copper	ppm	ASTM D5185m	>155	20	---	---
Tin	ppm	ASTM D5185m	>10	2	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

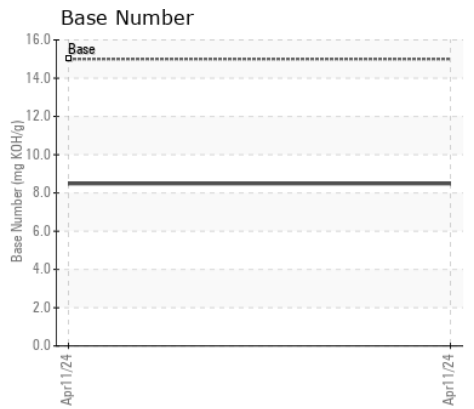
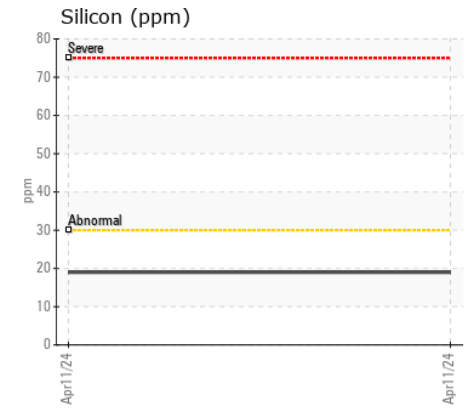
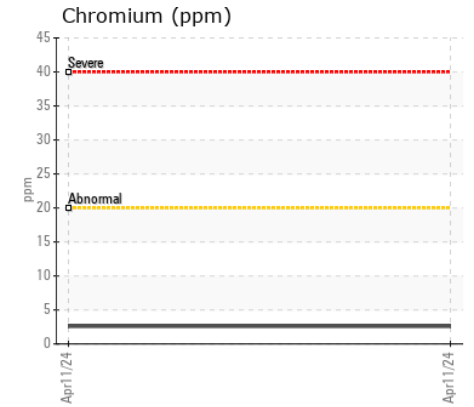
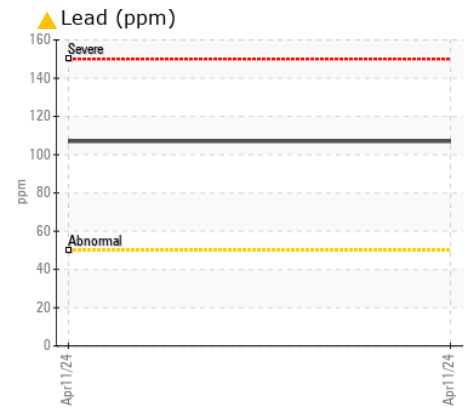
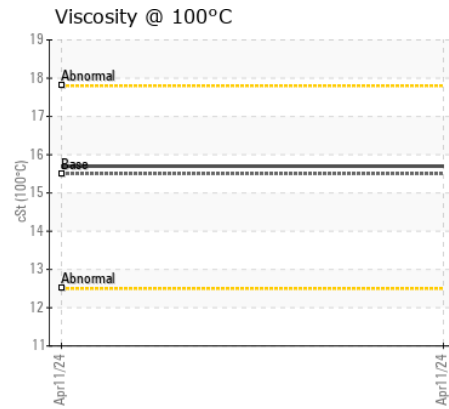
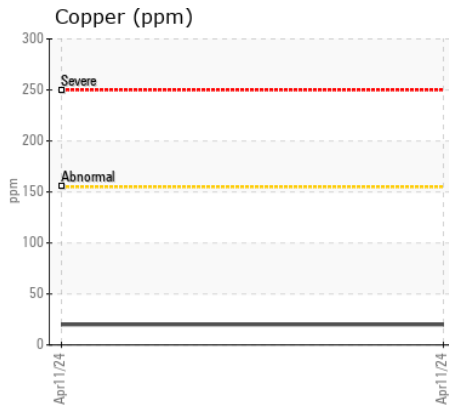
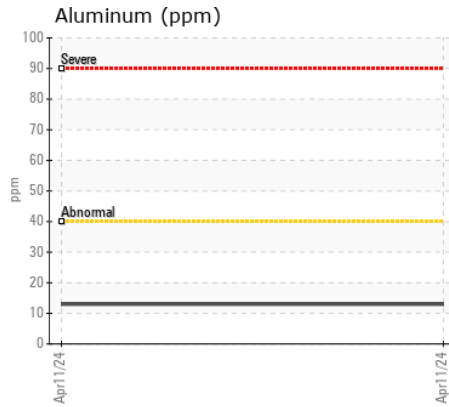
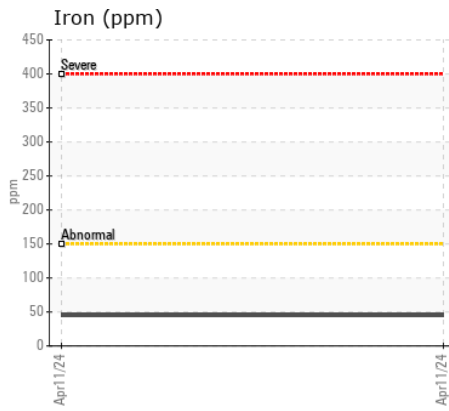
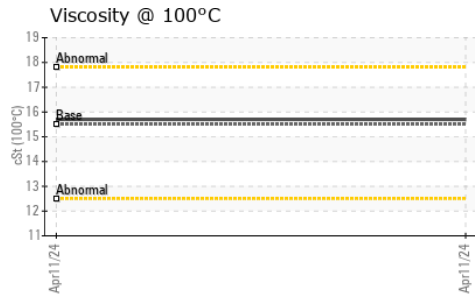
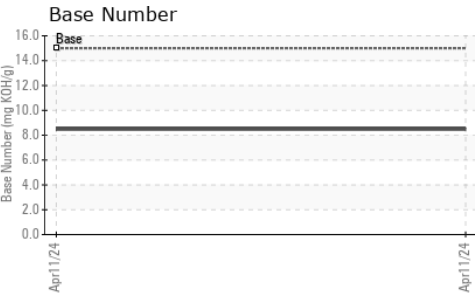
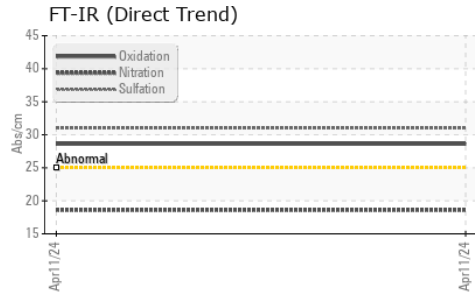
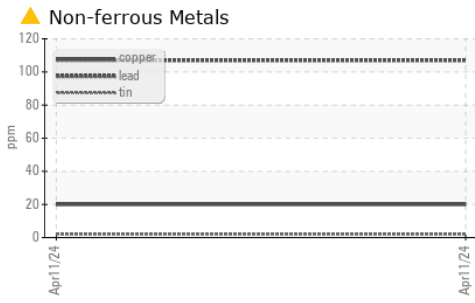
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>30	19	---	---
Potassium	ppm	ASTM D5185m	>20	4	---	---
Fuel		WC Method	>4.0	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	*ASTM D7844		0.1	---	---
Nitration	Abs/cm	*ASTM D7624	>20	18.6	---	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	31.0	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>400	6	---	---
Boron	ppm	ASTM D5185m		8	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		119	---	---
Manganese	ppm	ASTM D5185m		1	---	---
Magnesium	ppm	ASTM D5185m		104	---	---
Calcium	ppm	ASTM D5185m	4500	3381	---	---
Phosphorus	ppm	ASTM D5185m		722	---	---
Zinc	ppm	ASTM D5185m	1400	897	---	---
Sulfur	ppm	ASTM D5185m		3816	---	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	28.6	---	---
Base Number (BN)	mg KOH/g	ASTM D2896	15	8.49	---	---
Visc @ 100°C	cSt	ASTM D445	15.5	15.7	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : TR06155278

Lab Number : 06155278

Unique Number : 10990701

Test Package : MOB 2

Received : 19 Apr 2024

Tested : 24 Apr 2024

Diagnosed : 24 Apr 2024 - Sean Felton

COLORADO RIVER UNION HS

2251 HWY 95

BULLHEAD CITY, AZ

US 86442

Contact: DENNIS SERCU

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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)