



TRAAP

Texas Refinery Advanced Analysis Program

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
CHEVROLET 17 SUBURBAN
 Component
Gasoline Engine
 Fluid
TRC PRO-SPEC SYNTHETIC 0W20 (2 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR06212589	TR06089027	---
Sample Date		Client Info		05 Apr 2024	03 Feb 2024	---
Machine Age	mls	Client Info		155829	149280	---
Oil Age	mls	Client Info		13084	6535	---
Filter Age	mls	Client Info		6549	6535	---
Oil Changed		Client Info		Changed	Not Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185m	>150	65	25	---
Chromium	ppm	ASTM D5185m	>20	2	1	---
Nickel	ppm	ASTM D5185m	>5	1	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m	>2	0	0	---
Aluminum	ppm	ASTM D5185m	>40	7	3	---
Lead	ppm	ASTM D5185m	>50	0	0	---
Copper	ppm	ASTM D5185m	>155	7	3	---
Tin	ppm	ASTM D5185m	>10	<1	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

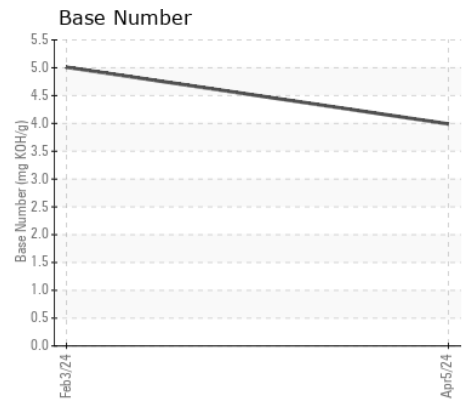
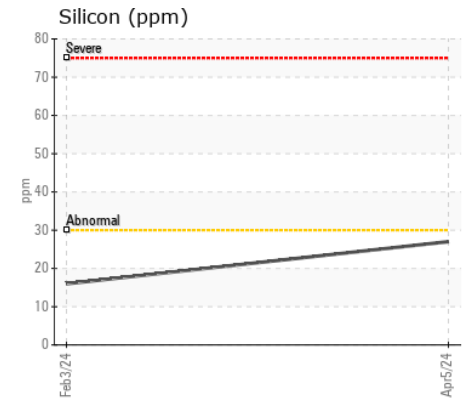
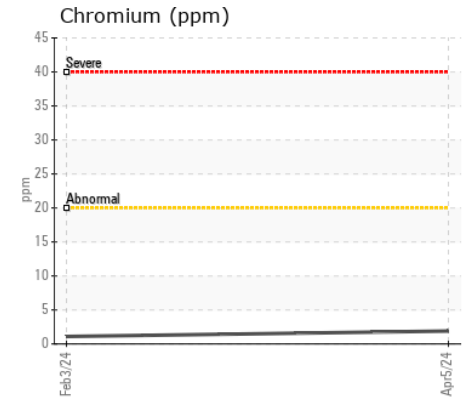
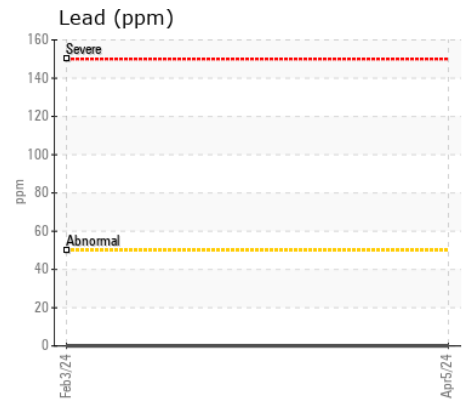
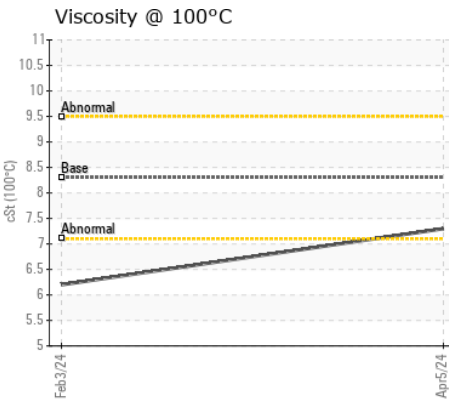
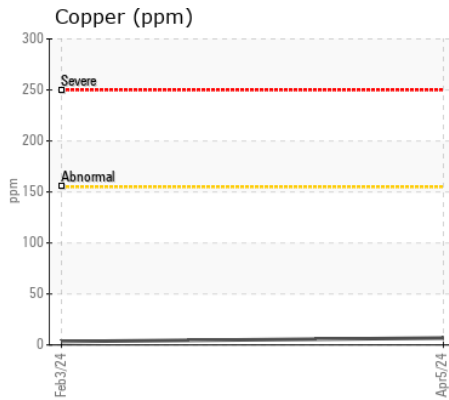
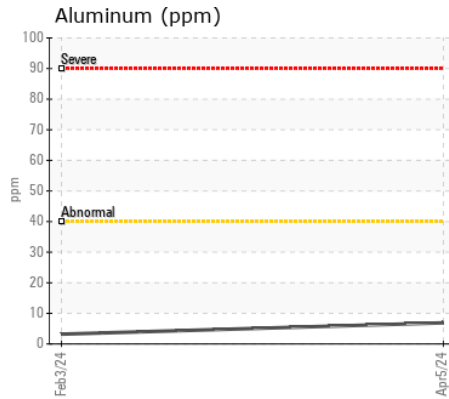
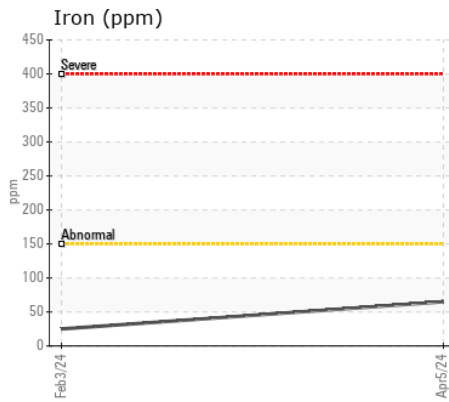
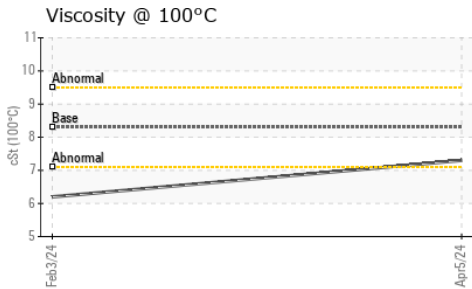
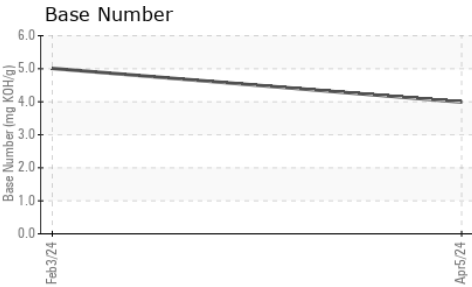
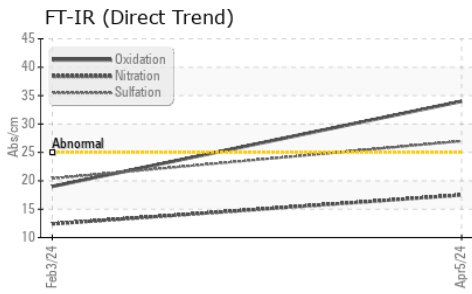
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>30	27	16	---
Potassium	ppm	ASTM D5185m	>20	4	<1	---
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	17.5	12.4	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	27.0	20.4	---
Silt	scalar	*Visual	NONE	NONE	LIGHT	---
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	6	<1	---
Boron	ppm	ASTM D5185m		23	18	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		184	194	---
Manganese	ppm	ASTM D5185m		3	<1	---
Magnesium	ppm	ASTM D5185m		332	335	---
Calcium	ppm	ASTM D5185m	2100	981	932	---
Phosphorus	ppm	ASTM D5185m		501	452	---
Zinc	ppm	ASTM D5185m	870	601	612	---
Sulfur	ppm	ASTM D5185m		2104	1679	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	34.0	19.0	---
Base Number (BN)	mg KOH/g	ASTM D2896		3.99	5.01	---
Visc @ 100°C	cSt	ASTM D445	8.3	7.3	6.2	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TR06212589
Lab Number : 06212589
Unique Number : 11085453
Test Package : MOB 2

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)

T: (406)432-2582
F: (406)432-2582