



TRAAP

Texas Refinery Advanced Analysis Program

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
CHEVROLET 1
 Component
Gasoline Engine
 Fluid
TRC PRO-SPEC V SYN BLEND 10W30 (2 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR05449537	---	---
Sample Date		Client Info		09 Jan 2022	---	---
Machine Age	mls	Client Info		78521	---	---
Oil Age	mls	Client Info		5688	---	---
Filter Age	mls	Client Info		5688	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>150	13	---	---
Chromium	ppm	ASTM D5185m	>20	1	---	---
Nickel	ppm	ASTM D5185m	>5	<1	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m	>2	<1	---	---
Aluminum	ppm	ASTM D5185m	>40	2	---	---
Lead	ppm	ASTM D5185m	>50	<1	---	---
Copper	ppm	ASTM D5185m	>155	8	---	---
Tin	ppm	ASTM D5185m	>10	<1	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

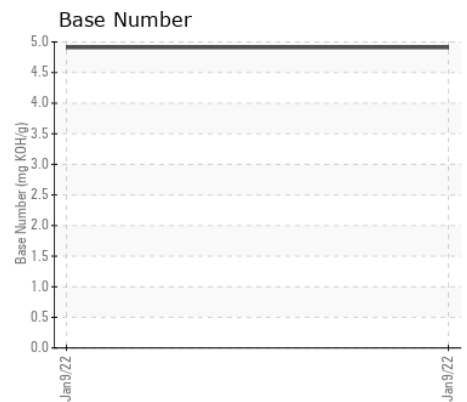
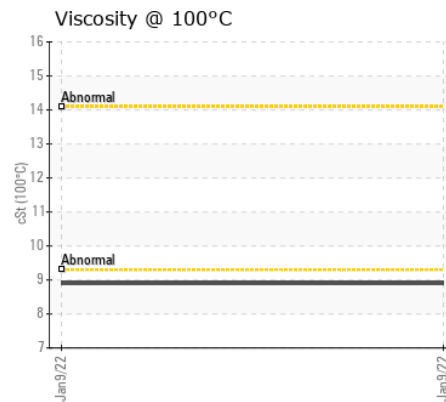
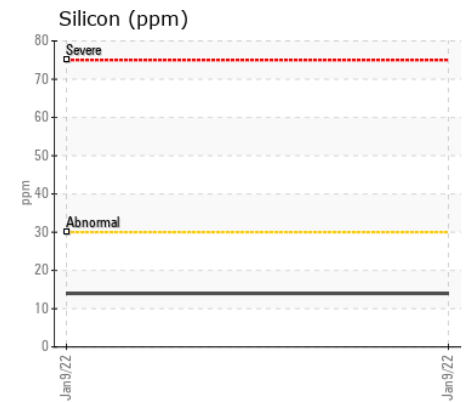
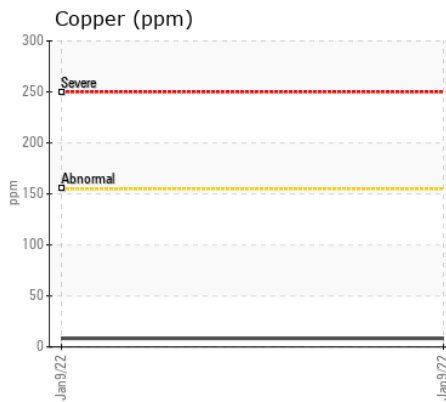
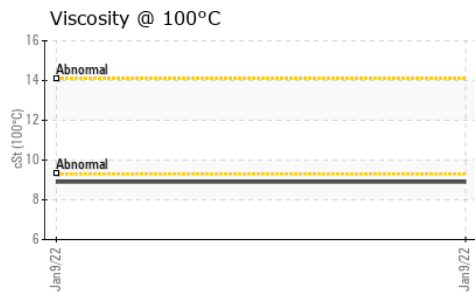
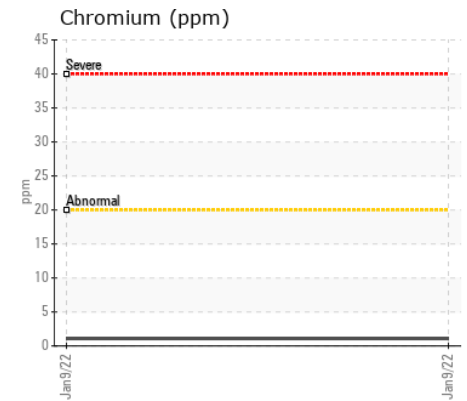
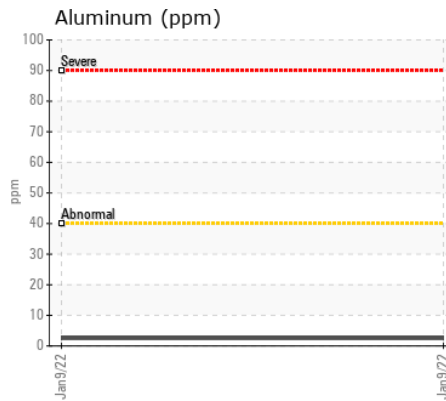
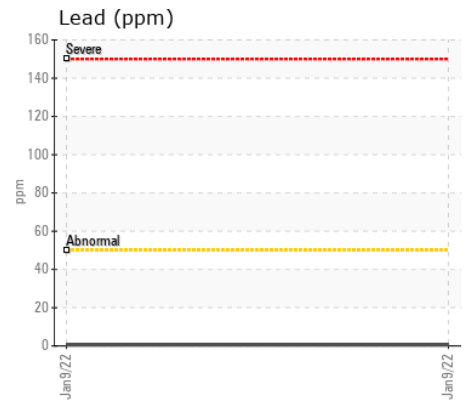
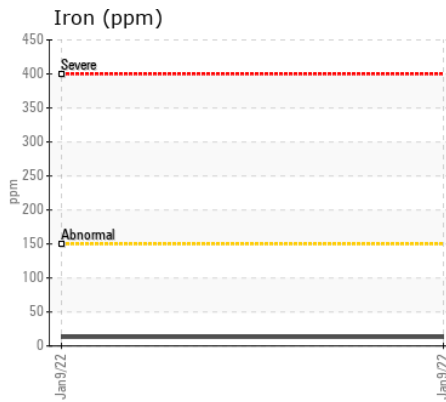
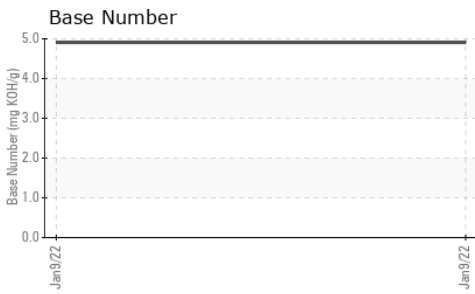
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>30	14	---	---
Potassium	ppm	ASTM D5185m	>20	<1	---	---
Fuel	%	ASTM D3524	>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	12.2	---	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.2	---	---
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 suitable for further service.

Sodium	ppm	ASTM D5185m	>400	2	---	---
Boron	ppm	ASTM D5185m		27	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		252	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m		442	---	---
Calcium	ppm	ASTM D5185m		1284	---	---
Phosphorus	ppm	ASTM D5185m		645	---	---
Zinc	ppm	ASTM D5185m		755	---	---
Sulfur	ppm	ASTM D5185m		2087	---	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.2	---	---
Base Number (BN)	mg KOH/g	ASTM D2896		4.91	---	---
Visc @ 100°C	cSt	ASTM D445		8.9	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TR05449537 **Received** : 24 Jan 2022
Lab Number : 05449537 **Tested** : 26 Jan 2022
Unique Number : 9818731 **Diagnosed** : 26 Jan 2022 - Jonathan Hester
Test Package : MOB 2 (Additional Tests: FuelDilution)

CERBAT GOLF CITY OF KINGMAN
 4196 E STAMPEDE RD
 KINGMAN, AZ
 US 86401
 Contact: STUART THENKELSON

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:
F: