



TRAAP

Texas Refinery Advanced Analysis Program

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
CHEVROLET 2500HD TRUCK 5 (S/N 1GC2KVCG9CZ142338)

Component
Gasoline Engine

Fluid
TRC PRO-SPEC IV XP SYN BLEND SAE 10W30 (6 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR06160590	TR05976610	---
Sample Date		Client Info		22 Apr 2024	09 Aug 2023	---
Machine Age	mls	Client Info		40649	38823	---
Oil Age	mls	Client Info		1826	1943	---
Filter Age	mls	Client Info		1826	1943	---
Oil Changed		Client Info		Not Changd	Changed	---
Filter Changed		Client Info		Not Changd	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>150	15	13	---
Chromium	ppm	ASTM D5185m	>20	2	<1	---
Nickel	ppm	ASTM D5185m	>5	1	<1	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m	>2	0	0	---
Aluminum	ppm	ASTM D5185m	>40	5	3	---
Lead	ppm	ASTM D5185m	>50	1	0	---
Copper	ppm	ASTM D5185m	>155	15	14	---
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

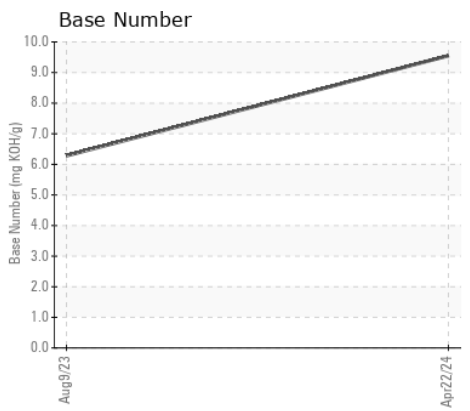
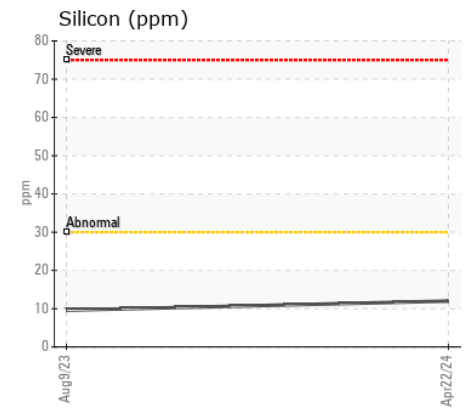
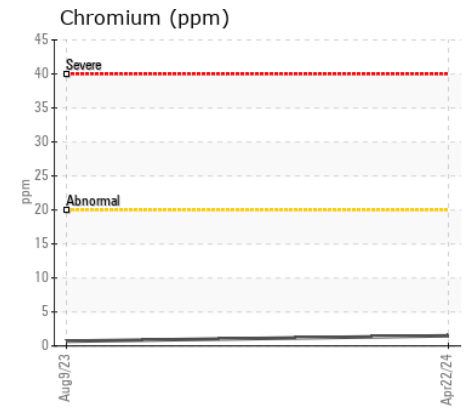
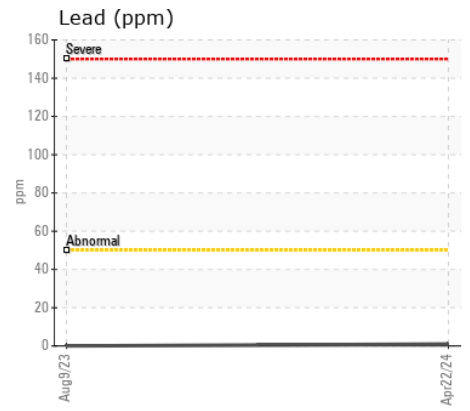
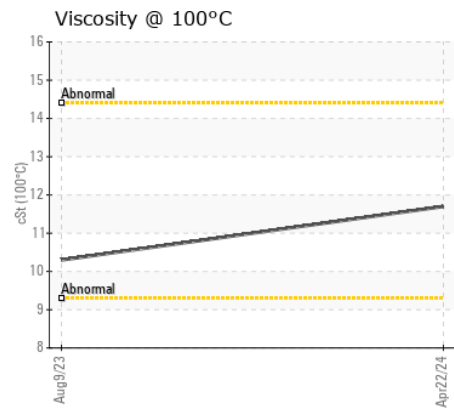
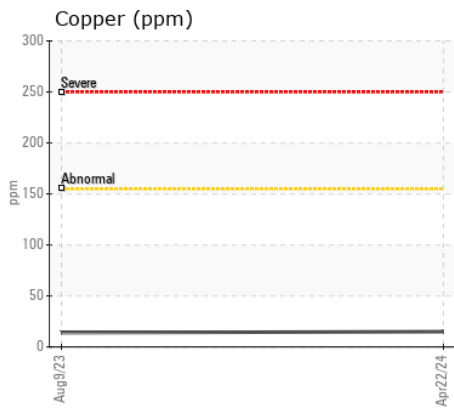
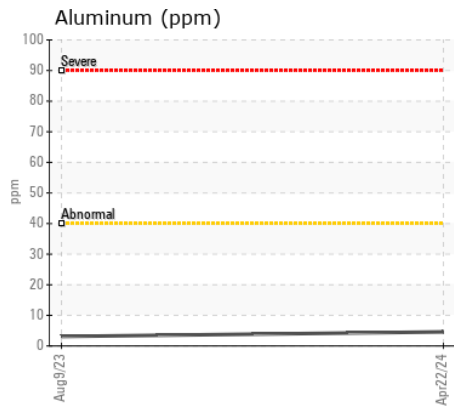
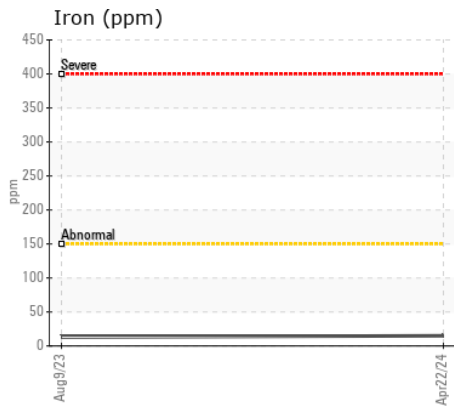
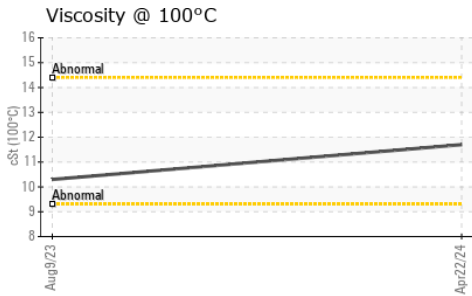
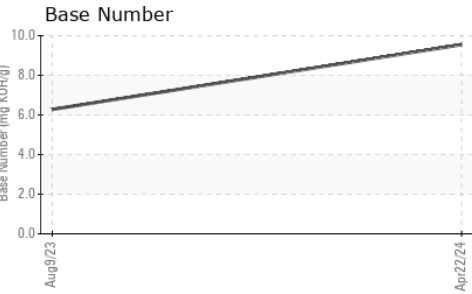
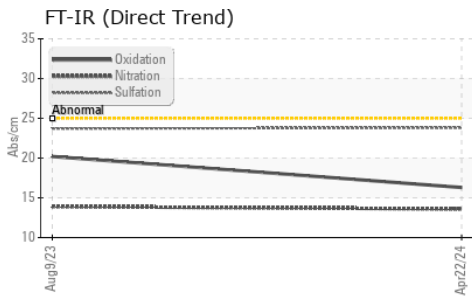
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>30	12	10	---
Potassium	ppm	ASTM D5185m	>20	3	0	---
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	---
Nitration	Abs/cm	*ASTM D7624	>20	13.6	13.9	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.8	23.7	---
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	5	3	---
Boron	ppm	ASTM D5185m		5	34	---
Barium	ppm	ASTM D5185m		<1	0	---
Molybdenum	ppm	ASTM D5185m		18	96	---
Manganese	ppm	ASTM D5185m		3	<1	---
Magnesium	ppm	ASTM D5185m		131	705	---
Calcium	ppm	ASTM D5185m		3434	769	---
Phosphorus	ppm	ASTM D5185m		849	674	---
Zinc	ppm	ASTM D5185m		982	812	---
Sulfur	ppm	ASTM D5185m		4192	1990	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.3	20.2	---
Base Number (BN)	mg KOH/g	ASTM D2896		9.55	6.28	---
Visc @ 100°C	cSt	ASTM D445		11.7	10.3	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TR06160590
Lab Number : 06160590
Unique Number : 10996013
Test Package : MOB 2

Received : 25 Apr 2024
Tested : 26 Apr 2024
Diagnosed : 26 Apr 2024 - Wes Davis

LEBANON MUNICIPAL AIRPORT
 5 AIRPARK RD, SUITE 1
 WEST LEBANON, NH
 US 03784
 Contact: SCOTT BURRELL

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: