



TRAAP

Texas Refinery Advanced Analysis Program

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
CHEVROLET 3GCPCSE07DG372351
 Component
Front Gasoline Engine
 Fluid
TRC PRO-SPEC MULTI VISC 5W30 (5 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR06084356	TR05813580	TR05645630
Sample Date		Client Info		06 Feb 2024	05 Apr 2023	14 Sep 2022
Machine Age	mls	Client Info		148682	141505	134762
Oil Age	mls	Client Info		7177	6743	7055
Filter Age	mls	Client Info		7177	6743	7055
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>150	28	24	20
Chromium	ppm	ASTM D5185m	>20	<1	1	1
Nickel	ppm	ASTM D5185m	>5	<1	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>40	4	3	2
Lead	ppm	ASTM D5185m	>50	0	0	0
Copper	ppm	ASTM D5185m	>155	10	11	13
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

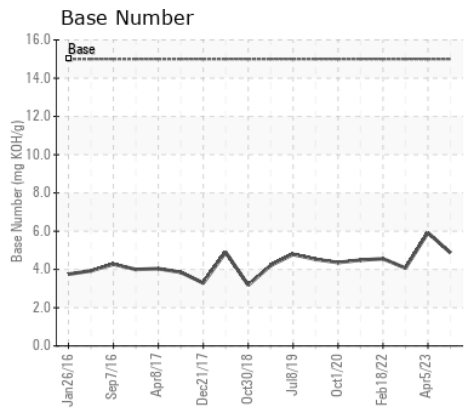
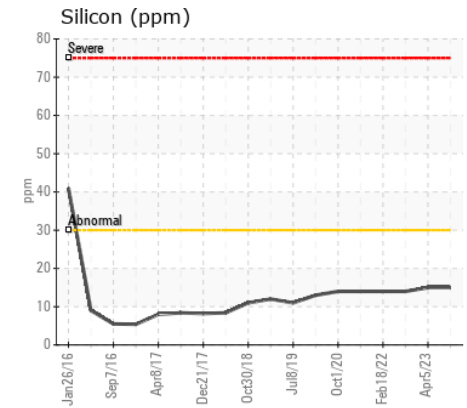
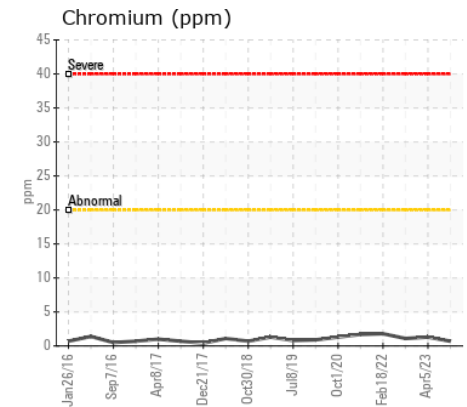
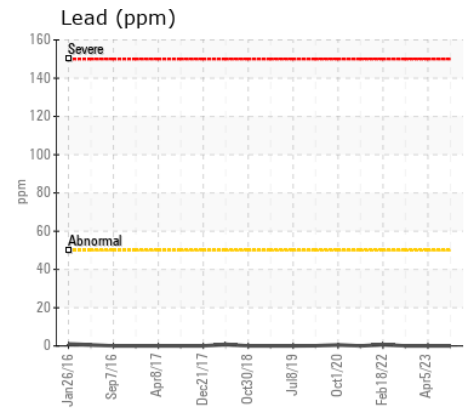
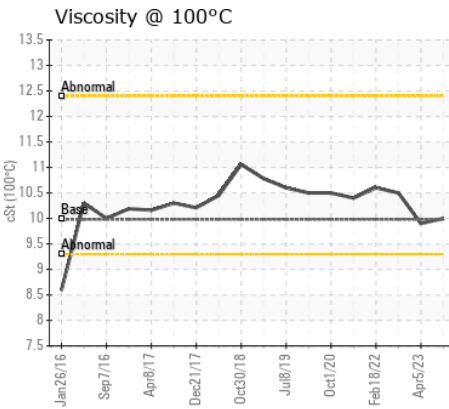
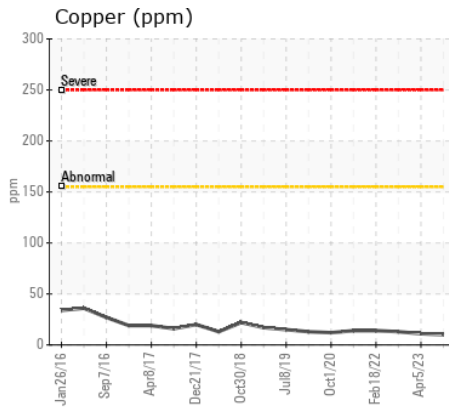
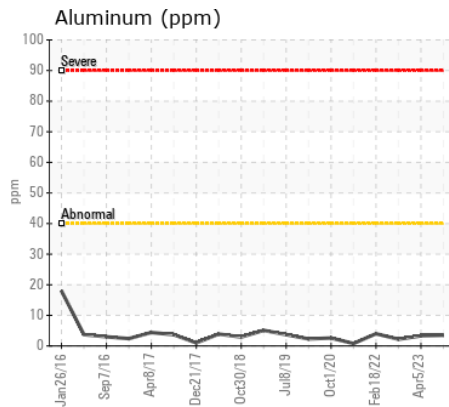
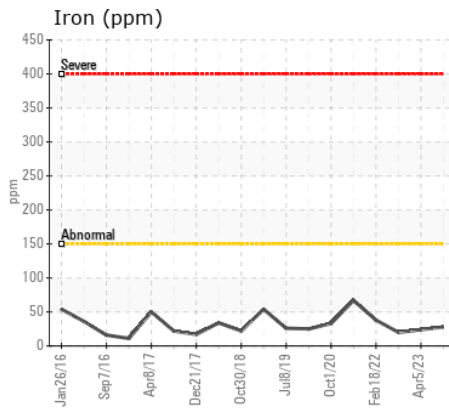
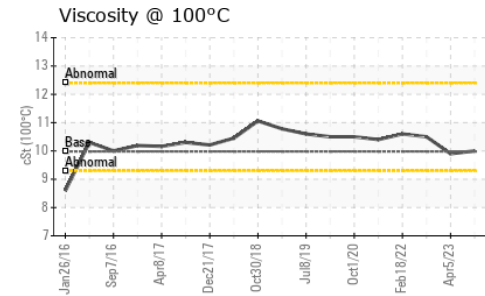
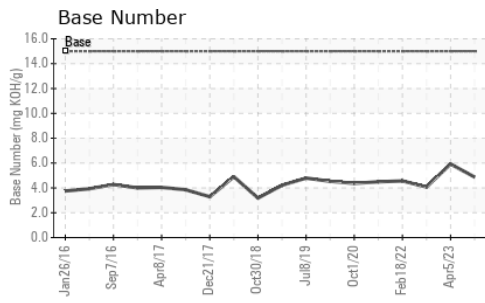
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>30	15	15	14
Potassium	ppm	ASTM D5185m	>20	1	1	0
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844		0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	13.1	13.2	14.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.7	25.2	27.5
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	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	2	<1	<1
Boron	ppm	ASTM D5185m		29	20	18
Barium	ppm	ASTM D5185m		0	1	0
Molybdenum	ppm	ASTM D5185m		166	168	148
Manganese	ppm	ASTM D5185m		1	1	<1
Magnesium	ppm	ASTM D5185m		501	533	441
Calcium	ppm	ASTM D5185m	4200	1408	1517	1319
Phosphorus	ppm	ASTM D5185m	800	742	758	605
Zinc	ppm	ASTM D5185m	800	881	953	783
Sulfur	ppm	ASTM D5185m		2093	2616	1832
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.2	20.5	24.5
Base Number (BN)	mg KOH/g	ASTM D2896	15	4.87	5.92	4.07
Visc @ 100°C	cSt	ASTM D445	9.98	10.0	9.9	10.5



Certificate L2367

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

Sample No. : TR06084356

Lab Number : 06084356

Unique Number : 10871801

Test Package : MOB 2

Received : 08 Feb 2024

Tested : 09 Feb 2024

Diagnosed : 12 Feb 2024 - Sean Felton

AKRIDGE LIVESTOCK SERVICE

4700 CR919

CROWLEY, TX

US 76036

Contact: AUBREY AKRIDGE

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: