



TRAAP

Texas Refinery Advanced Analysis Program

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	MARGINAL
FLUID CONDITION	NORMAL

Machine Id
CHEVROLET 599FLX

Component
Gasoline Engine

Fluid
TRC PRO-SPEC MULTI VISC 5W30 (6 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR02631583	TR02596515	TR02467571
Sample Date		Client Info		05 Apr 2024	05 Nov 2023	07 Jan 2022
Machine Age	kms	Client Info		329338	323283	303913
Oil Age	kms	Client Info		6055	9784	6861
Filter Age	kms	Client Info		6055	9784	6861
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				MARGINAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>150	11	18	10
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>40	4	7	4
Lead	ppm	ASTM D5185(m)	>50	<1	3	2
Copper	ppm	ASTM D5185(m)	>155	4	9	6
Tin	ppm	ASTM D5185(m)	>10	0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

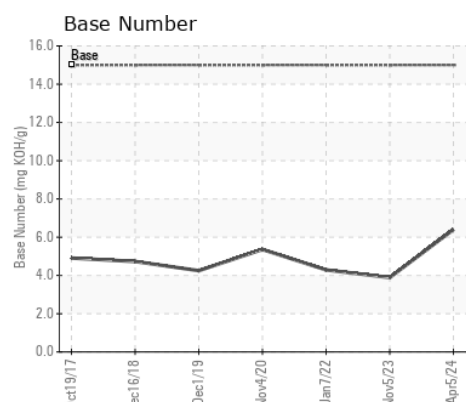
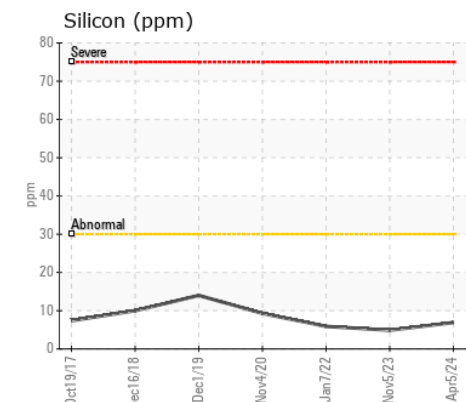
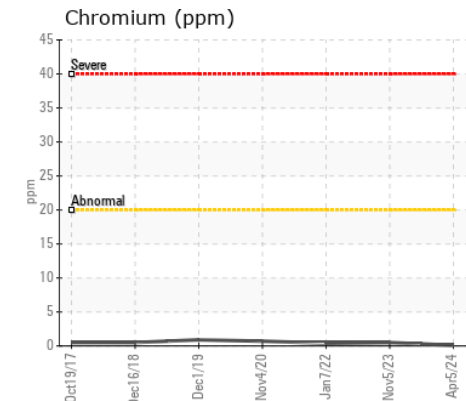
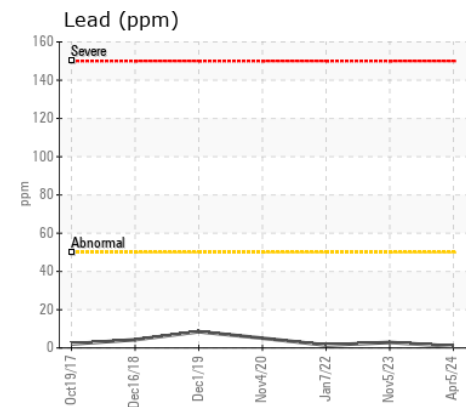
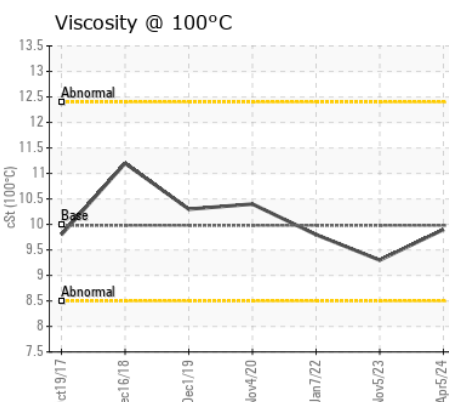
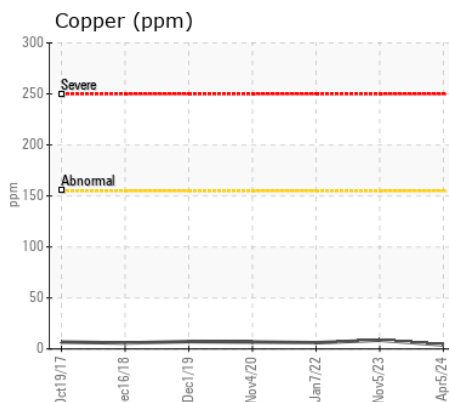
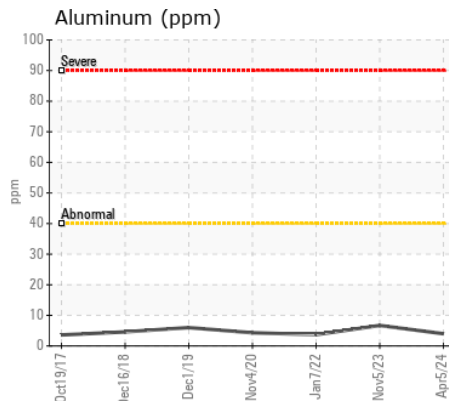
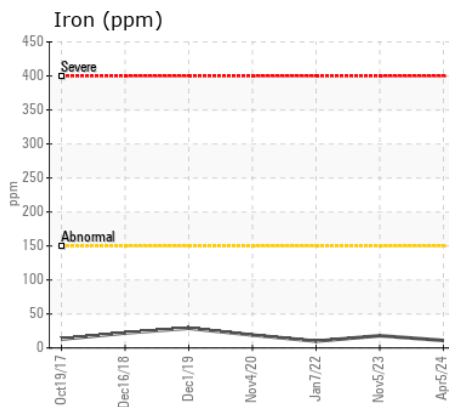
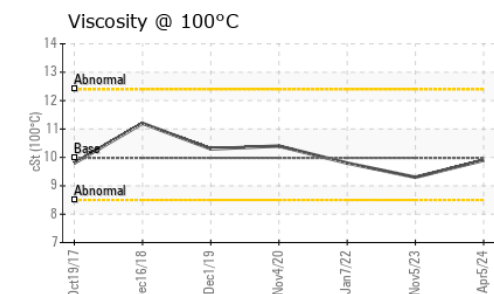
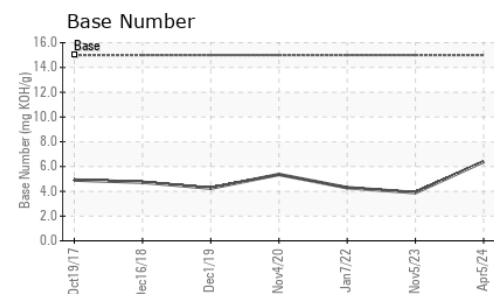
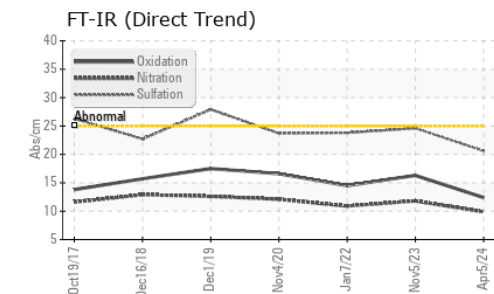
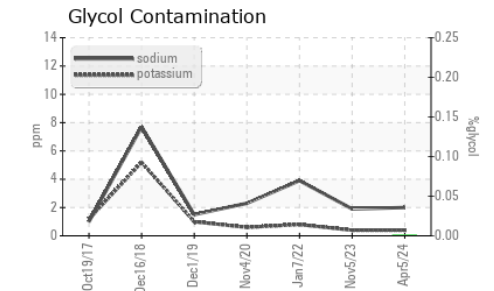
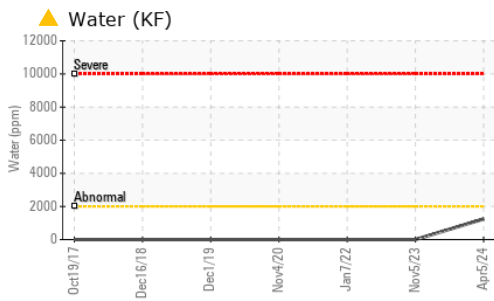
There is a trace of moisture present in the oil. Test for glycol is negative.

Silicon	ppm	ASTM D5185(m)	>30	7	5	6
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
Water	%	ASTM D6304*	>0.2	▲ 0.124	---	---
ppm Water	ppm	ASTM D6304*	>2000	▲ 1246	---	---
Glycol	%	ASTM D7922*		0.0	NEG	NEG
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	9.9	11.8	10.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.6	24.6	23.8
Emulsified Water	scalar	Visual*	>0.2	▲ .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 D5185(m)	>400	2	2	4
Boron	ppm	ASTM D5185(m)		71	59	67
Barium	ppm	ASTM D5185(m)		0	<1	0
Molybdenum	ppm	ASTM D5185(m)		116	76	74
Manganese	ppm	ASTM D5185(m)		<1	0	<1
Magnesium	ppm	ASTM D5185(m)		459	448	425
Calcium	ppm	ASTM D5185(m)	4200	1374	1348	1463
Phosphorus	ppm	ASTM D5185(m)	800	686	680	725
Zinc	ppm	ASTM D5185(m)	800	764	742	777
Sulfur	ppm	ASTM D5185(m)		2065	2357	2484
Oxidation	Abs/.1mm	ASTM D7414*	>25	12.4	16.3	14.5
Base Number (BN)	mg KOH/g	ASTM D2896*	15	6.40	3.89	4.29
Visc @ 100°C	cSt	ASTM D7279(m)	9.98	9.9	9.3	9.8



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : TR02631583
Lab Number : 02631583
Unique Number : 5772736
Test Package : MOB 2 (Additional Tests: Glycol, KF)

PAT LEITH
 1686 BADER CRESCENT
 SASKATOON, SK
 CA S7M 3V3
 Contact: PAT

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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