



TRAAP

Texas Refinery Advanced Analysis Program

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
CHEVROLET TRAVERSE 2016 CHEVROLET TRAVERSE

Component
Gasoline Engine

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

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TR06235155	TR06024763	TR05769056
Sample Date		Client Info		07 Jul 2024	22 Nov 2023	09 Feb 2023
Machine Age	mls	Client Info		168049	154870	141256
Oil Age	mls	Client Info		13179	13614	11848
Filter Age	mls	Client Info		13179	13614	11848
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	34	42	39
Chromium	ppm	ASTM D5185m	>20	<1	<1	1
Nickel	ppm	ASTM D5185m	>5	0	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>40	9	6	4
Lead	ppm	ASTM D5185m	>50	0	0	1
Copper	ppm	ASTM D5185m	>155	3	3	3
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

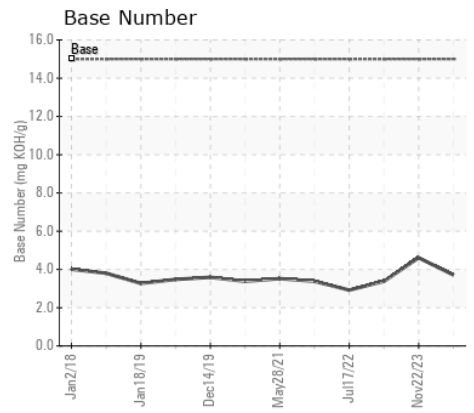
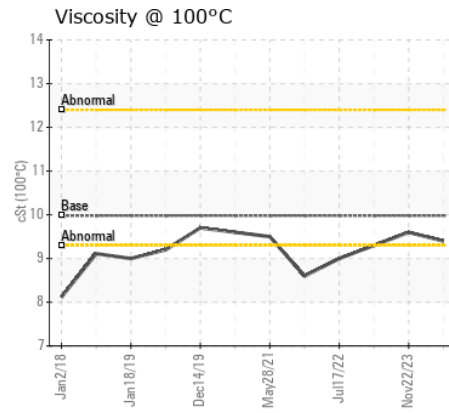
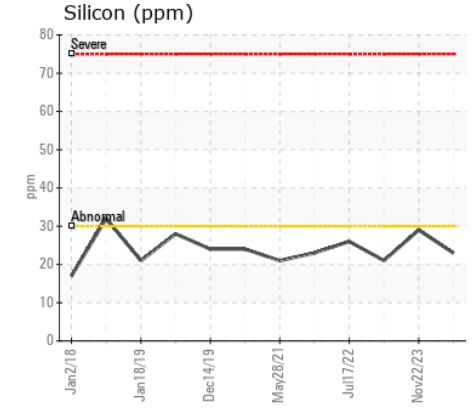
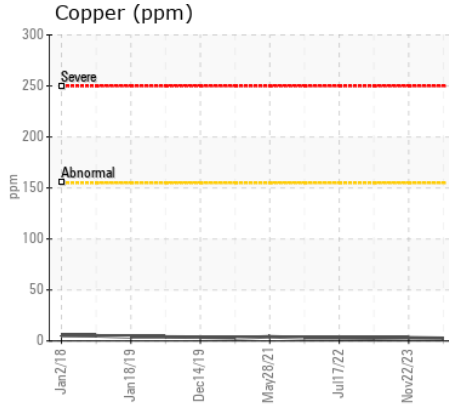
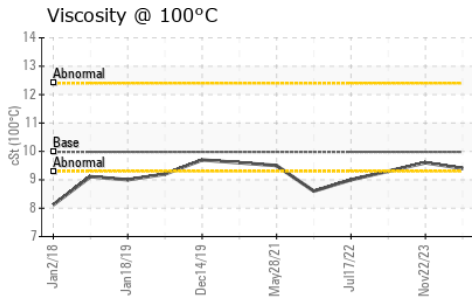
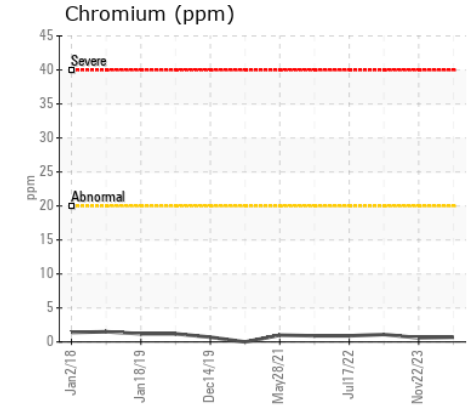
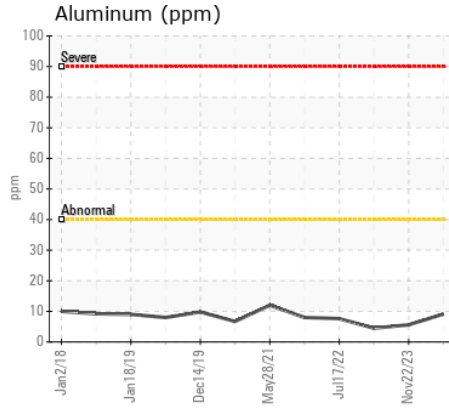
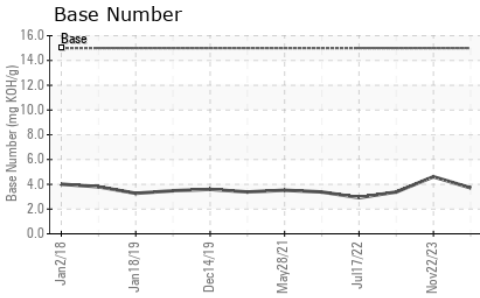
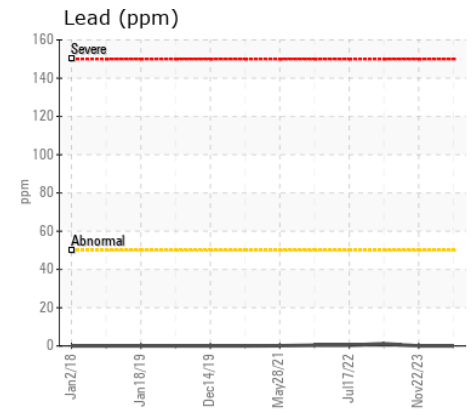
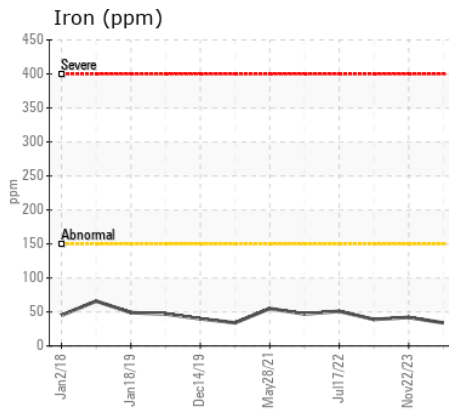
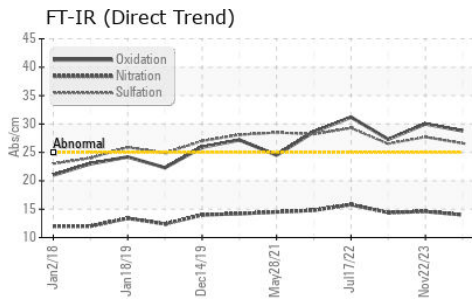
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>30	23	29	21
Potassium	ppm	ASTM D5185m	>20	2	3	3
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	14.0	14.6	14.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.6	27.7	26.5
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	4	0	3
Boron	ppm	ASTM D5185m		18	20	13
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		275	249	230
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		500	424	451
Calcium	ppm	ASTM D5185m	4200	1450	1212	1349
Phosphorus	ppm	ASTM D5185m	800	738	637	633
Zinc	ppm	ASTM D5185m	800	888	741	857
Sulfur	ppm	ASTM D5185m		2127	1899	2002
Oxidation	Abs/.1mm	*ASTM D7414	>25	28.8	30.0	27.3
Base Number (BN)	mg KOH/g	ASTM D2896	15	3.71	4.61	3.38
Visc @ 100°C	cSt	ASTM D445	9.98	9.4	9.6	9.3



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TR06235155
Lab Number : 06235155
Unique Number : 11123989
Test Package : MOB 2
Received : 12 Jul 2024
Tested : 15 Jul 2024
Diagnosed : 15 Jul 2024 - Sean Felton

PRECISION FARMS LLC
 PO BOX 217
 LEIGH, NE
 US 68643
 Contact: ADAM COURTNEY

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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