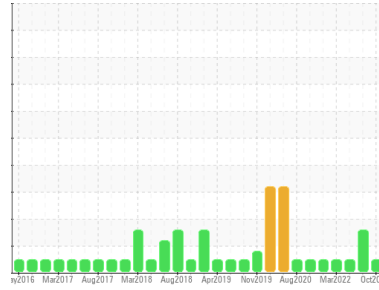




OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id
2016 CHEVROLET O-3
 Component
Gasoline Engine
 Fluid
PARTS MASTER FULL SYN 5W30 (6 QTS)

DIAGNOSIS

- Recommendation**
Resample at the next service interval to monitor.
- Wear**
All component wear rates are normal.
- Contamination**
There is no indication of any contamination in the oil.
- Fluid Condition**
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0819765	WC0678962	WC0678944
Sample Date	Client Info			03 Oct 2023	23 Jun 2022	11 May 2022
Machine Age	mls	Client Info		306725	265673	259945
Oil Age	mls	Client Info		5000	5000	5000
Oil Changed	Client Info			N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Glycol	WC Method			NEG	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>150	21	21	21
Chromium	ppm	ASTM D5185m	>20	<1	1	<1
Nickel	ppm	ASTM D5185m	>5	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>40	5	4	4
Lead	ppm	ASTM D5185m	>50	0	<1	<1
Copper	ppm	ASTM D5185m	>155	8	9	8
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		0	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		17	22	23
Barium	ppm	ASTM D5185m		0	1	0
Molybdenum	ppm	ASTM D5185m		92	272	266
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		436	517	537
Calcium	ppm	ASTM D5185m		915	1382	1412
Phosphorus	ppm	ASTM D5185m		556	656	662
Zinc	ppm	ASTM D5185m		619	871	822
Sulfur	ppm	ASTM D5185m		2200	2032	1855

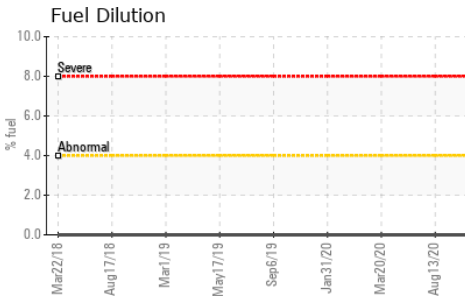
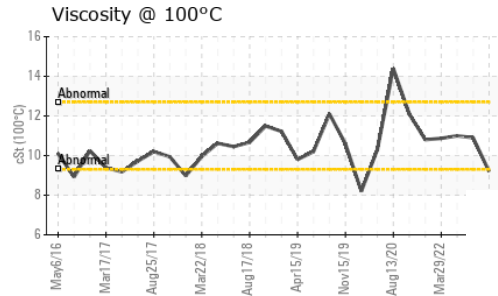
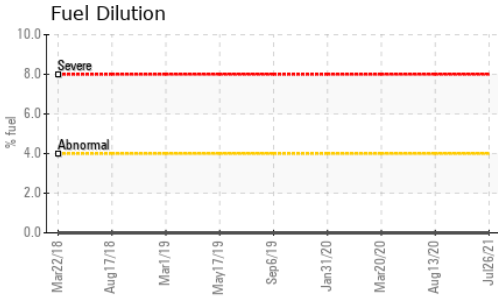
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	21	▲ 31	26
Sodium	ppm	ASTM D5185m	>400	4	3	2
Potassium	ppm	ASTM D5185m	>20	3	<1	1
Fuel	%	ASTM D3524	>4.0	<1.0	<1.0	<1.0

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	11.8	12.9	13.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.0	24.5	24.3

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.8	22.1	21.5
Acid Number (AN)	mg KOH/g	ASTM D8045		1.92	1.996	---



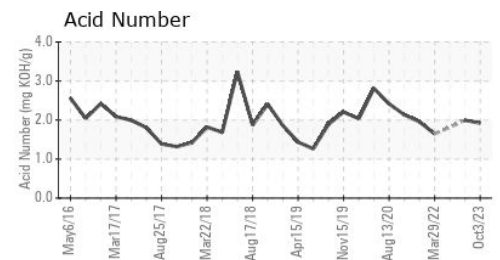
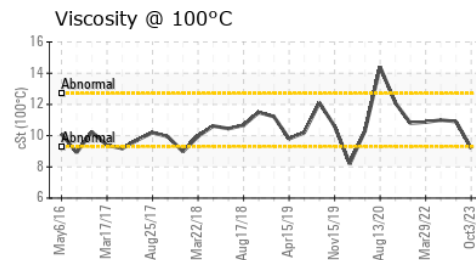
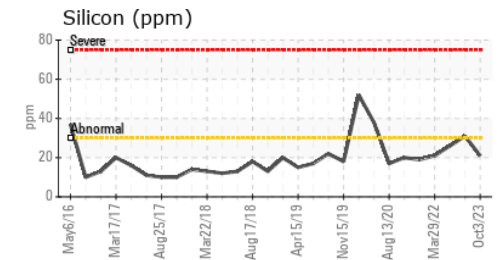
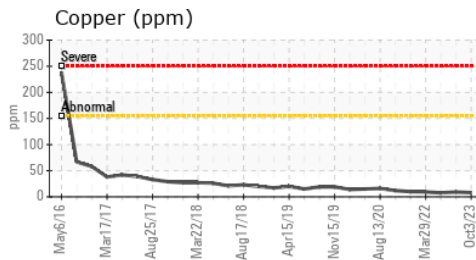
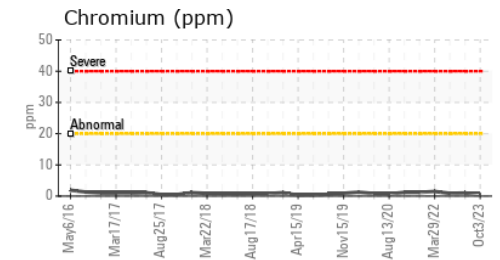
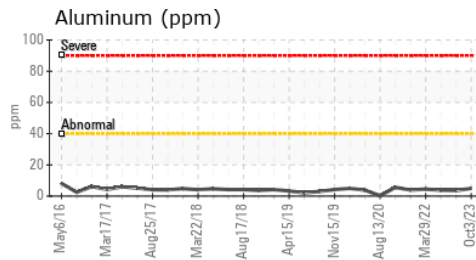
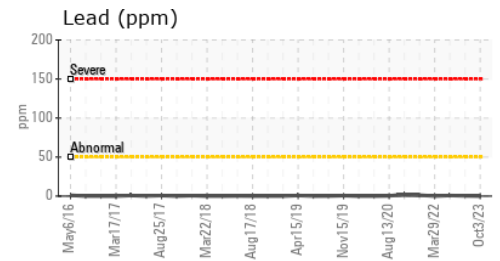
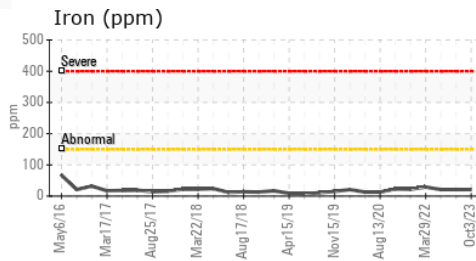
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
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
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	9.2	10.9	11.0

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : WC0819765 Received : 30 Oct 2023
 Lab Number : 05993756 Diagnosed : 01 Nov 2023
 Unique Number : 10722116 Diagnostician : Don Baldrige
 Test Package : MOB 2 (Additional Tests: FuelDilution, PercentFuel)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - 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)

ALLEGHENY DISPOSAL LLC

PO BOX 4
 GREEN BANK, WV
 US 24944

Contact: SERVICE MANAGER
 meckmechanic@frontier.com

T: (304)456-4541
 F: (304)456-4540