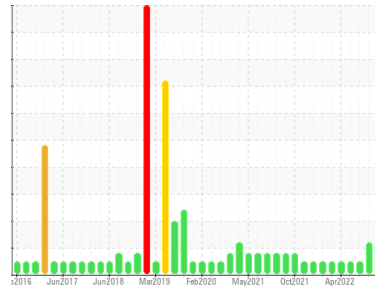




PROBLEM SUMMARY

Sample Rating Trend



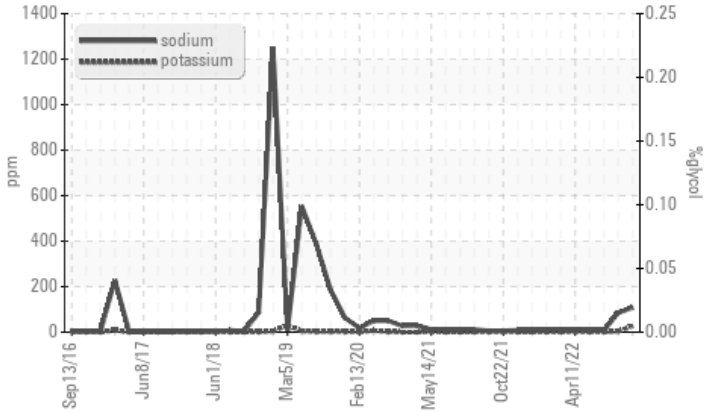
COOL CHEMICALS



Machine Id
3595C
 Component
Natural Gas Engine
 Fluid
CHEVRON DELO 400 NG (48 QTS)

COMPONENT CONDITION SUMMARY

▲ Glycol Contamination



RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status			ATTENTION	ATTENTION	NORMAL
Sodium	ppm	ASTM D5185m	▲ 108	▲ 85	7

Customer Id: GFL001
 Sample No.: GFL0056639
 Lab Number: 05793151
 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Doug Bogart +1 (800)237-1369 x4016
dougb@wearcheckusa.com

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid	---	---	?	Oil and filter change at the time of sampling has been noted.
Change Filter	---	---	?	Oil and filter change at the time of sampling has been noted.
Other Action (see Note)	DONE	Apr 14 2023	?	No recommended actions

HISTORICAL DIAGNOSIS

02 Dec 2022 Diag: Jonathan Hester

COOL CHEMICALS



Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Sodium and/or potassium levels are high. Test for glycol is negative. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

[view report](#)



24 Jun 2022 Diag: Don Baldrige

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

[view report](#)



06 May 2022 Diag: Don Baldrige

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

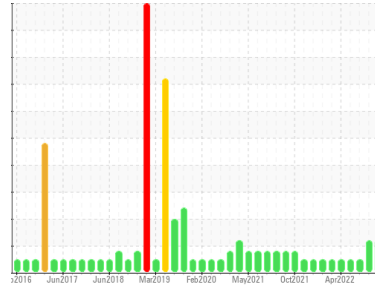
[view report](#)





OIL ANALYSIS REPORT

Sample Rating Trend



COOL CHEMICALS



Machine Id
3595C
 Component
Natural Gas Engine
 Fluid
CHEVRON DELO 400 NG (48 QTS)

DIAGNOSIS

▲ Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Sodium and/or potassium levels are high. Test for glycol is negative.

▲ Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history 1	history 2
Sample Number	Client Info	GFL0056639	GFL0056562	GFL0052530
Sample Date	Client Info	14 Mar 2023	02 Dec 2022	24 Jun 2022
Machine Age	hrs	2261	21785	20574
Oil Age	hrs	861	1493	282
Oil Changed	Client Info	Changed	Changed	Not Changed
Sample Status		ATTENTION	ATTENTION	NORMAL

WEAR METALS

method	limit/base	current	history 1	history 2	
Iron	ppm	ASTM D5185m >50	21	40	12
Chromium	ppm	ASTM D5185m >4	2	4	1
Nickel	ppm	ASTM D5185m >2	<1	<1	<1
Titanium	ppm	ASTM D5185m	<1	<1	0
Silver	ppm	ASTM D5185m >3	0	0	0
Aluminum	ppm	ASTM D5185m >9	4	8	4
Lead	ppm	ASTM D5185m >30	<1	6	<1
Copper	ppm	ASTM D5185m >35	4	11	10
Tin	ppm	ASTM D5185m >4	<1	<1	<1
Vanadium	ppm	ASTM D5185m	<1	0	<1
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history 1	history 2	
Boron	ppm	ASTM D5185m	4	6	19
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	53	59	52
Manganese	ppm	ASTM D5185m	1	1	<1
Magnesium	ppm	ASTM D5185m	527	581	510
Calcium	ppm	ASTM D5185m	1590	1719	1519
Phosphorus	ppm	ASTM D5185m 800	612	736	741
Zinc	ppm	ASTM D5185m 880	938	914	941
Sulfur	ppm	ASTM D5185m	2529	2748	2437

CONTAMINANTS

method	limit/base	current	history 1	history 2	
Silicon	ppm	ASTM D5185m >+100	7	13	9
Sodium	ppm	ASTM D5185m	▲ 108	▲ 85	7
Potassium	ppm	ASTM D5185m >20	27	5	2

INFRA-RED

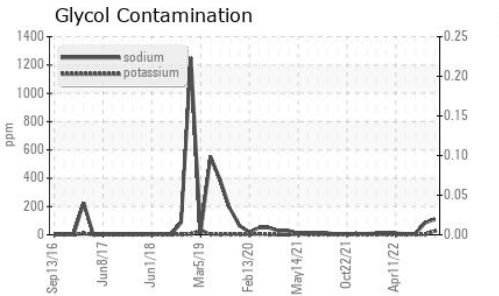
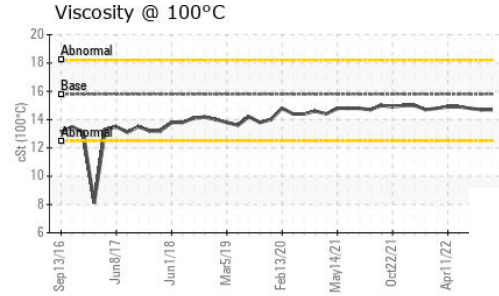
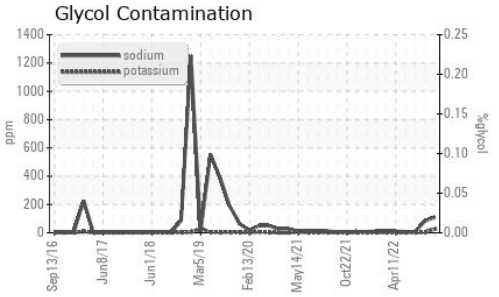
method	limit/base	current	history 1	history 2	
Soot %	%	*ASTM D7844	0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624 >20	11.6	13.9	9.0
Sulfation	Abs/.1mm	*ASTM D7415 >30	23.5	29.5	19.1

FLUID DEGRADATION

method	limit/base	current	history 1	history 2	
Oxidation	Abs/.1mm	*ASTM D7414 >25	18.8	24.5	16.1
Base Number (BN)	mg KOH/g	ASTM D2896 6.1	4.1	3.0	6.7



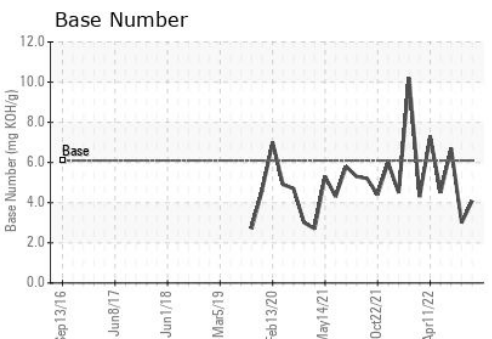
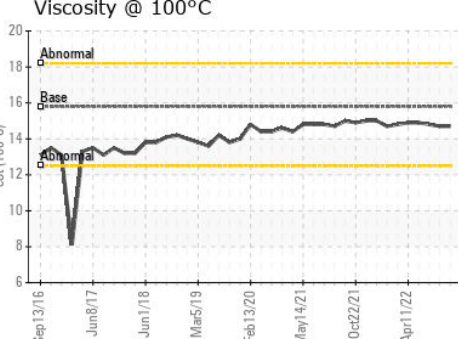
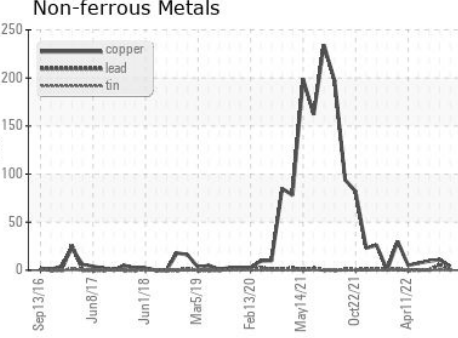
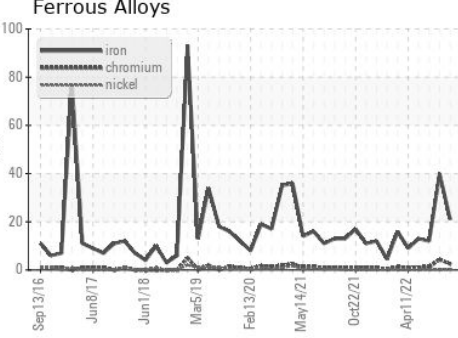
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history 1	history 2
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	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history 1	history 2	
Visc @ 100°C	cSt	ASTM D445	15.8	14.7	14.7	14.8

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0056639 **Received** : 16 Mar 2023
Lab Number : **05793151** **Diagnosed** : 21 Mar 2023
Unique Number : 10377822 **Diagnostician** : Doug Bogart
Test Package : FLEET (Additional Tests: Glycol)

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)

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 F: (919)662-7130