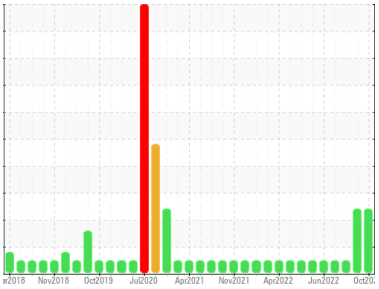
PROBLEM SUMMARY

Sample Rating Trend

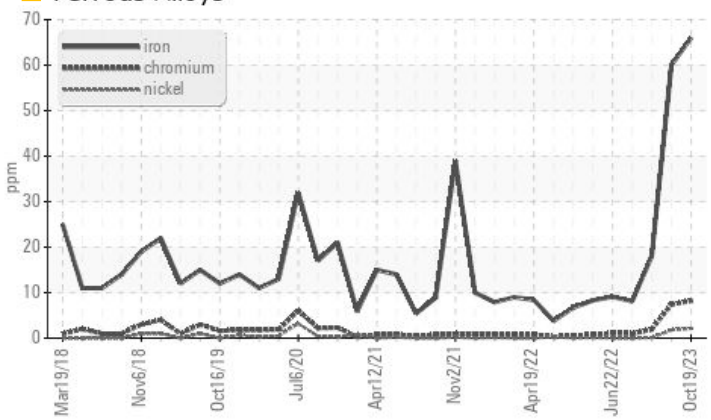


WEAR

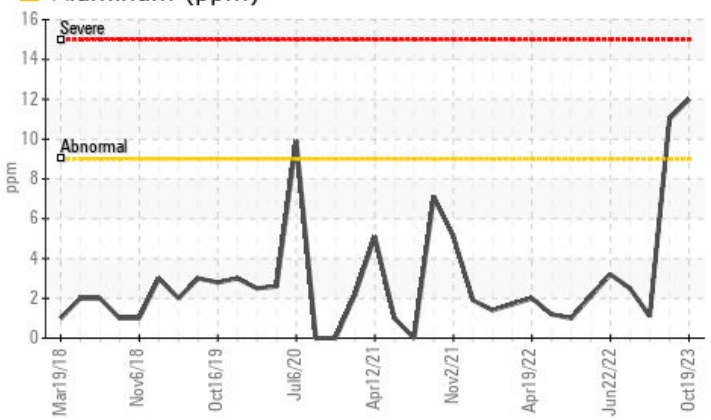
Machine Id
3789C AUTOCAR
Component
Natural Gas Engine
Fluid
CHEVRON DELO 400 NG (48 QTS)

COMPONENT CONDITION SUMMARY

▲ Ferrous Alloys



▲ Aluminum (ppm)



RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				**ABNORMAL**	ABNORMAL	NORMAL
Iron	ppm	ASTM D5185m	>50	▲ **66**	▲ 60	18
Chromium	ppm	ASTM D5185m	>4	▲ **8**	▲ 7	2
Aluminum	ppm	ASTM D5185m	>9	▲ **12**	▲ 11	1

Customer Id: GFL001
Sample No.: GFL0094704
Lab Number: 05985438
Test Package: FLEET

To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldridge +1
don.b505@comcast.net

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

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

03 Oct 2023 Diag: Don Baldridge

WEAR

No corrective action is recommended at this time. Resample at the next service interval to monitor.Cylinder, crank, or cam shaft wear is indicated. 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 acceptable for the time in service.

view report

11 Jan 2023 Diag: Don Baldridge

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

11 Aug 2022 Diag: Jonathan Hester

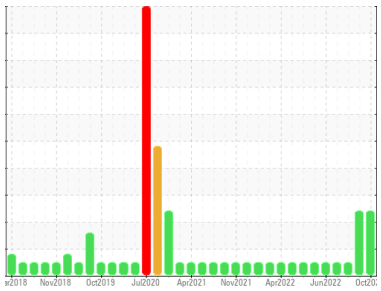
NORMAL

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



WEAR

Machine Id
3789C AUTOCAR
Component
Natural Gas Engine
Fluid
CHEVRON DELO 400 NG (48 QTS)

DIAGNOSIS

Recommendation
The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear
Cylinder, crank, or cam shaft wear is indicated.

Contamination
There is no indication of any contamination in the oil.

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	history1	history2
Sample Number		Client Info		**GFL0094704**	GFL0094683	GFL0056670
Sample Date		Client Info		**19 Oct 2023**	03 Oct 2023	11 Jan 2023
Machine Age	hrs	Client Info		**26781**	26659	24559
Oil Age	hrs	Client Info		**3476**	3354	1254
Oil Changed		Client Info		**Changed**	Not Changd	Not Changd
Sample Status				**ABNORMAL**	ABNORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	▲ **66**	▲ 60	18
Chromium	ppm	ASTM D5185m	>4	▲ **8**	▲ 7	2
Nickel	ppm	ASTM D5185m	>2	**2**	2	<1
Titanium	ppm	ASTM D5185m		**1**	0	0
Silver	ppm	ASTM D5185m	>3	**0**	0	0
Aluminum	ppm	ASTM D5185m	>9	▲ **12**	▲ 11	1
Lead	ppm	ASTM D5185m	>30	**9**	9	1
Copper	ppm	ASTM D5185m	>35	**2**	2	<1
Tin	ppm	ASTM D5185m	>4	**2**	<1	0
Vanadium	ppm	ASTM D5185m		**0**	<1	0
Cadmium	ppm	ASTM D5185m		**<1**	0	0

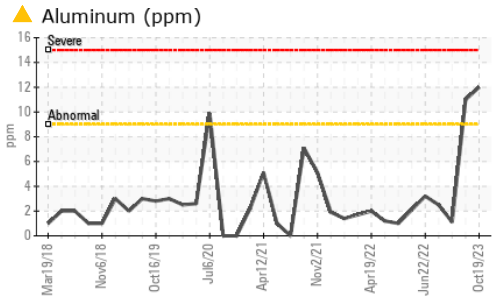
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**4**	3	2
Barium	ppm	ASTM D5185m		**0**	0	2
Molybdenum	ppm	ASTM D5185m		**64**	73	50
Manganese	ppm	ASTM D5185m		**3**	2	<1
Magnesium	ppm	ASTM D5185m		**643**	771	518
Calcium	ppm	ASTM D5185m		**1713**	2108	1608
Phosphorus	ppm	ASTM D5185m	800	**859**	975	682
Zinc	ppm	ASTM D5185m	880	**1095**	1264	944
Sulfur	ppm	ASTM D5185m		**2570**	2809	2186

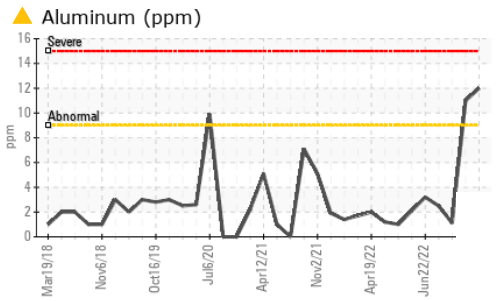
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	**26**	22	2
Sodium	ppm	ASTM D5185m		**23**	23	10
Potassium	ppm	ASTM D5185m	>20	**4**	3	<1

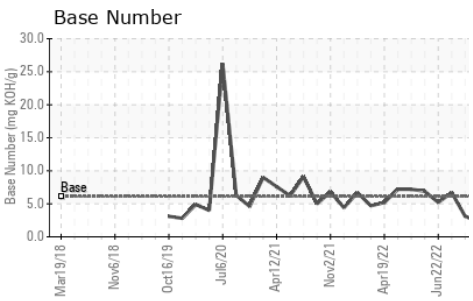
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		**0**	0	0.1
Nitration	Abs/cm	*ASTM D7624	>20	**12.6**	12.7	12.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	**29.7**	29.7	25.3

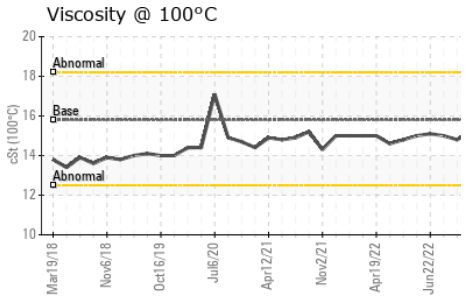
FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	**26.0**	25.6	20.7
Base Number (BN)	mg KOH/g	ASTM D2896	6.1	**2.2**	2.3	3.1

OIL ANALYSIS REPORT





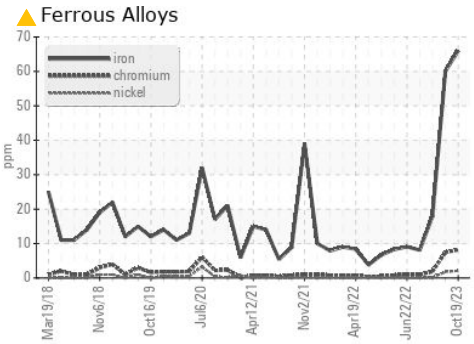


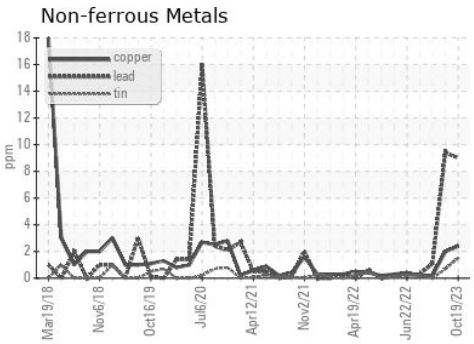


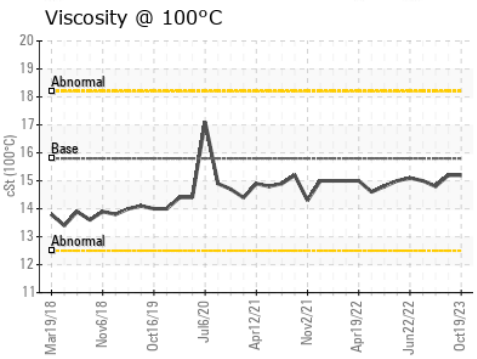
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**LIGHT**	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	**NORML**	NORML	NORML
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	**NEG**	NEG	NEG
Free Water	scalar	*Visual		**NEG**	NEG	NEG

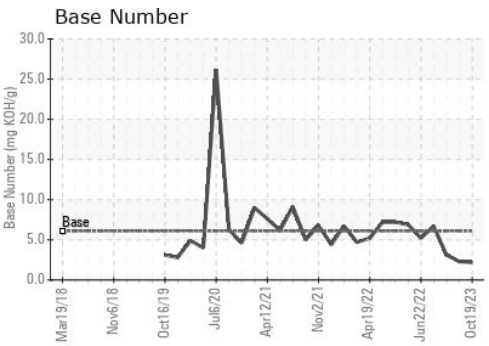
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.8	**15.2**	15.2	14.8

GRAPHS









Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0094704
Lab Number : 05985438
Unique Number : 10702733
Test Package : FLEET

Received : 20 Oct 2023
Diagnosed : 24 Oct 2023
Diagnostician : Don Baldridge

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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