



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
(DFX726)
Machine Id
3590C
Component
Natural Gas Engine
Fluid
CHEVRON DELO 400 NG (7 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0083167	GFL0083142	GFL0083112
Sample Date		Client Info		06 Feb 2024	25 Sep 2023	08 Aug 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ATTENTION	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	34	24	42
Chromium	ppm	ASTM D5185m	>4	3	1	2
Nickel	ppm	ASTM D5185m	>2	<1	0	2
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>9	4	6	4
Lead	ppm	ASTM D5185m	>30	2	<1	<1
Copper	ppm	ASTM D5185m	>35	11	13	30
Tin	ppm	ASTM D5185m	>4	<1	2	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

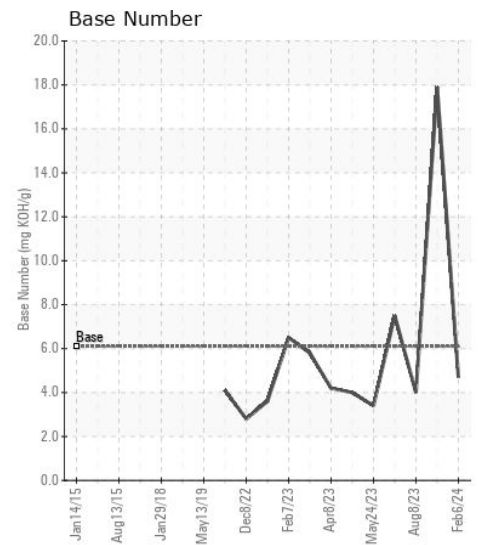
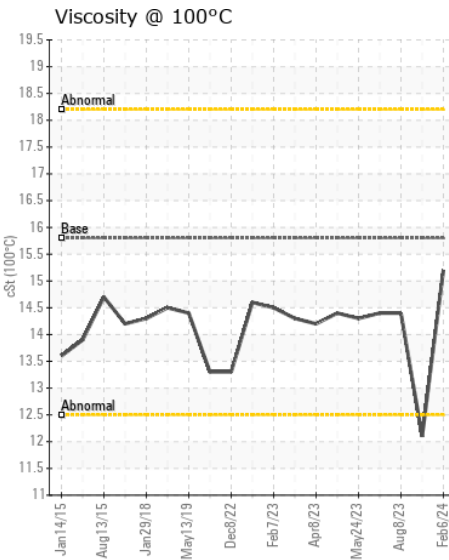
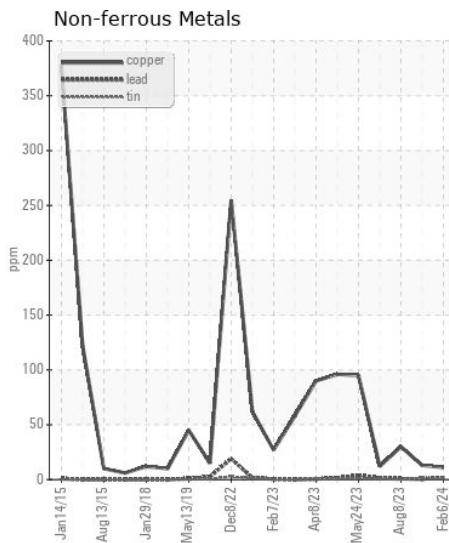
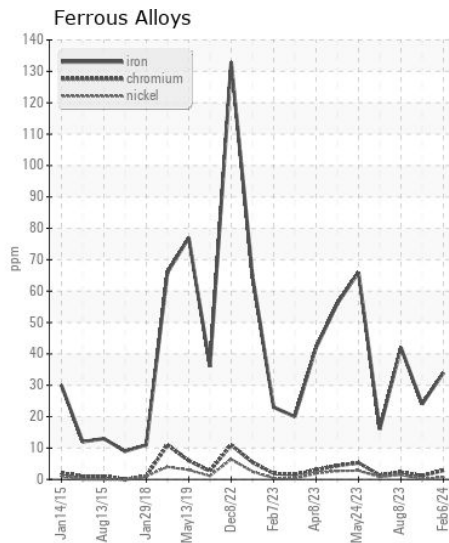
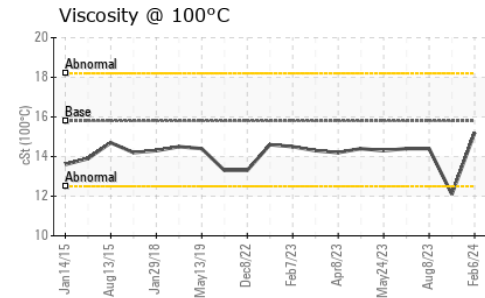
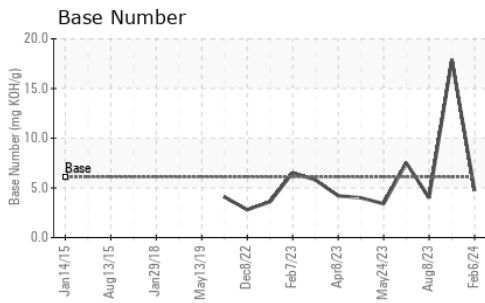
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>+100	7	7	8
Potassium	ppm	ASTM D5185m	>20	1	4	4
Water		WC Method	>0.1	NEG	NEG	NEG
Soot %	%	*ASTM D7844		0.1	0.2	0
Nitration	Abs/cm	*ASTM D7624	>20	11.2	27.9	11.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.6	10.5	22.2
Silt	scalar	*Visual	NONE	NONE	MDHVY	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	>0.1	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		30	5	▲ 148
Boron	ppm	ASTM D5185m		13	2	5
Barium	ppm	ASTM D5185m		0	0	2
Molybdenum	ppm	ASTM D5185m		65	70	71
Manganese	ppm	ASTM D5185m		3	2	1
Magnesium	ppm	ASTM D5185m		583	966	558
Calcium	ppm	ASTM D5185m		1563	1287	1640
Phosphorus	ppm	ASTM D5185m	800	618	1075	689
Zinc	ppm	ASTM D5185m	880	958	1362	976
Sulfur	ppm	ASTM D5185m		2257	2671	2743
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.2	24.6	17.3
Base Number (BN)	mg KOH/g	ASTM D2896	6.1	4.7	17.9	4.0
Visc @ 100°C	cSt	ASTM D445	15.8	15.2	▲ 12.1	14.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0083167
Lab Number : 06084625
Unique Number : 10872070
Test Package : FLEET

Received : 09 Feb 2024
Tested : 12 Feb 2024
Diagnosed : 12 Feb 2024 - Wes Davis

GFL Environmental - 074 - Douglas - Transwaste
 1219 Landfill Road
 Douglas, GA
 US 31533

Contact: CURTIS JACOBS
 CURTIS.JACOBS@GFLENV.COM

T: (912)384-6001

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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