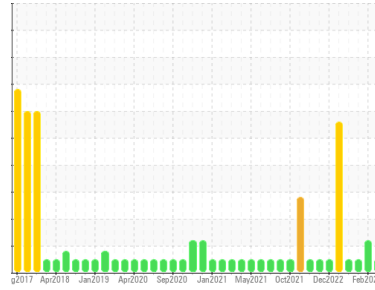




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
(P633846)
 Machine Id
10772C

Component
Natural Gas Engine

Fluid
PETRO CANADA DURON GEO LD 15W40 (30 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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2	
Sample Number	Client Info	GFL0101749	GFL0101751	GFL0090082	
Sample Date	Client Info	29 Feb 2024	23 Feb 2024	06 Dec 2023	
Machine Age	mls	Client Info	130740	17003	16680
Oil Age	mls	Client Info	0	600	601
Oil Changed	Client Info	N/A	Changed	Changed	
Sample Status		NORMAL	ATTENTION	NORMAL	

CONTAMINATION

method	limit/base	current	history1	history2	
Water	WC Method	>0.1	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2		
Iron	ppm	ASTM D5185m	>50	20	31	23
Chromium	ppm	ASTM D5185m	>4	4	2	3
Nickel	ppm	ASTM D5185m	>2	2	<1	1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	3	3	3
Lead	ppm	ASTM D5185m	>30	1	0	0
Copper	ppm	ASTM D5185m	>35	2	<1	3
Tin	ppm	ASTM D5185m	>4	1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0

ADDITIVES

method	limit/base	current	history1	history2		
Boron	ppm	ASTM D5185m	50	10	24	8
Barium	ppm	ASTM D5185m	5	0	8	0
Molybdenum	ppm	ASTM D5185m	50	61	77	55
Manganese	ppm	ASTM D5185m	0	2	0	5
Magnesium	ppm	ASTM D5185m	560	664	760	794
Calcium	ppm	ASTM D5185m	1510	1486	2140	1403
Phosphorus	ppm	ASTM D5185m	780	785	1024	752
Zinc	ppm	ASTM D5185m	870	1032	1311	1023
Sulfur	ppm	ASTM D5185m	2040	2528	3644	2485

CONTAMINANTS

method	limit/base	current	history1	history2		
Silicon	ppm	ASTM D5185m	>+100	11	12	19
Sodium	ppm	ASTM D5185m		26	7	27
Potassium	ppm	ASTM D5185m	>20	15	47	20

INFRA-RED

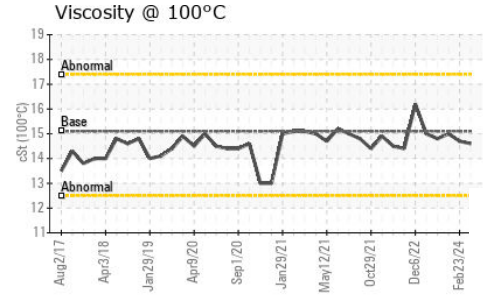
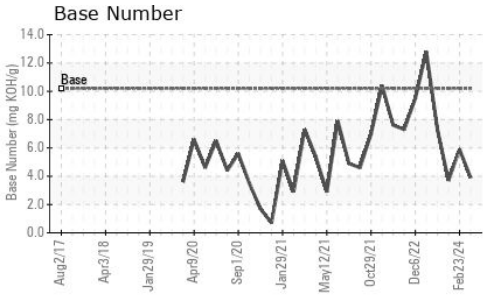
method	limit/base	current	history1	history2		
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	12.3	9.7	12.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.6	20.4	22.3

FLUID DEGRADATION

method	limit/base	current	history1	history2		
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.1	17.0	19.5
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	3.9	5.9	3.7



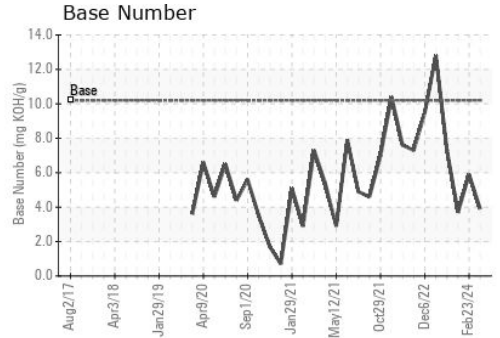
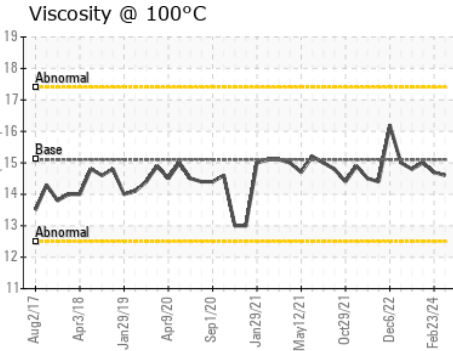
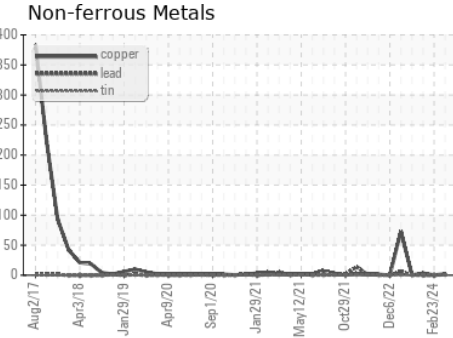
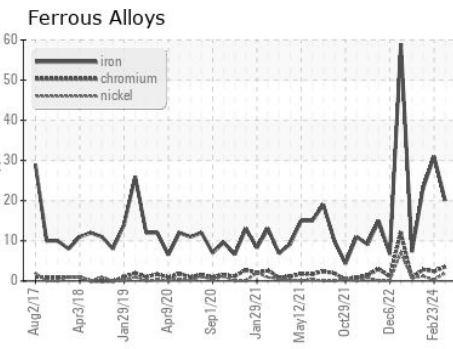
OIL ANALYSIS REPORT



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	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.6	14.7

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0101749 **Received** : 01 Mar 2024
Lab Number : 06105765 **Tested** : 01 Mar 2024
Unique Number : 10909262 **Diagnosed** : 05 Mar 2024 - Sean Felton
Test Package : FLEET

GFL Environmental - 030 - Conway Myrtle Beach
 3010 HWY 378
 Conway, SC
 US 29527
 Contact: ARCILIO RUEZ
 aruiz@gflenv.com

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)