



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
(P633847)

Machine Id
10764C

Component
Natural Gas Engine

Fluid
PETRO CANADA DURON GEO LD 15W40 (30 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0101801	GFL0074977	GFL0070765
Sample Date		Client Info		13 Feb 2024	24 Sep 2023	18 May 2023
Machine Age	hrs	Client Info		16561	16705	15741
Oil Age	hrs	Client Info		0	0	600
Filter Age	hrs	Client Info		0	0	600
Oil Changed		Client Info		N/A	N/A	Changed
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	12	19	4
Chromium	ppm	ASTM D5185m	>4	<1	2	0
Nickel	ppm	ASTM D5185m	>2	0	1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	1	2	<1
Lead	ppm	ASTM D5185m	>30	0	<1	0
Copper	ppm	ASTM D5185m	>35	0	<1	0
Tin	ppm	ASTM D5185m	>4	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	LIGHT	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

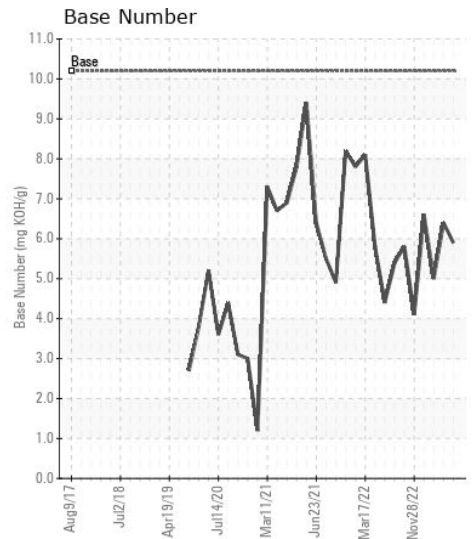
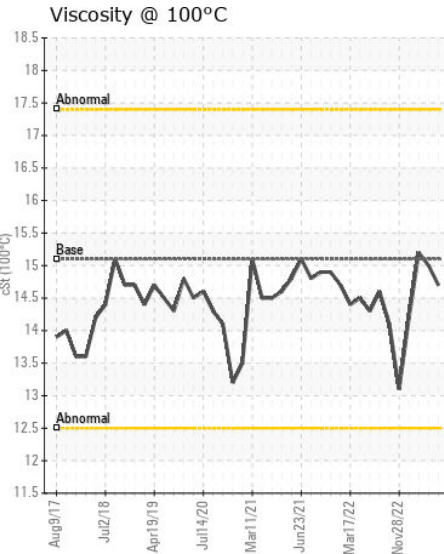
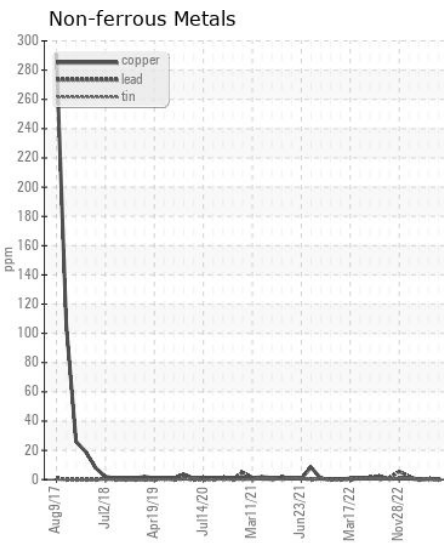
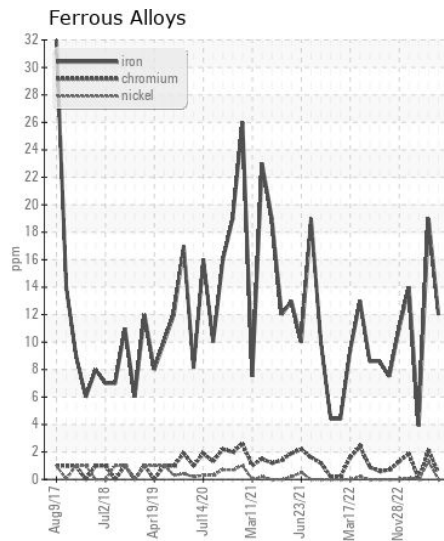
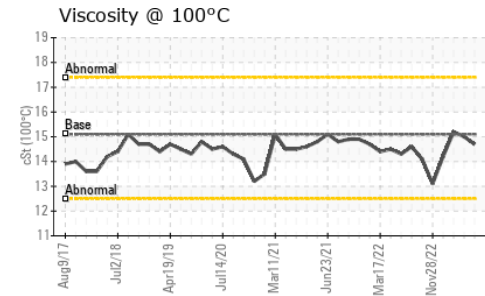
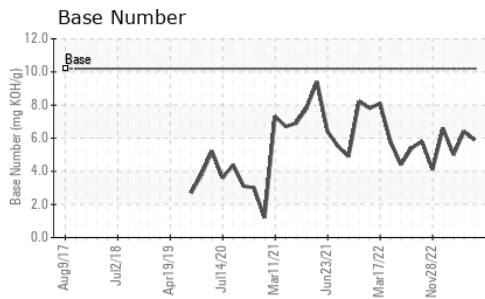
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>+100	6	5	2
Potassium	ppm	ASTM D5185m	>20	36	2	0
Water		WC Method	>0.1	NEG	NEG	NEG
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	9.7	9.9	11.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.3	20.0	20.9
Silt	scalar	*Visual	NONE	NONE	NONE	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		2	5	7
Boron	ppm	ASTM D5185m	50	17	13	8
Barium	ppm	ASTM D5185m	5	8	0	0
Molybdenum	ppm	ASTM D5185m	50	49	52	49
Manganese	ppm	ASTM D5185m	0	0	<1	<1
Magnesium	ppm	ASTM D5185m	560	492	555	470
Calcium	ppm	ASTM D5185m	1510	1388	1630	1572
Phosphorus	ppm	ASTM D5185m	780	625	770	612
Zinc	ppm	ASTM D5185m	870	861	997	865
Sulfur	ppm	ASTM D5185m	2040	2244	2614	2177
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.0	16.7	18.2
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	5.9	6.4	5.0
Visc @ 100°C	cSt	ASTM D445	15.1	14.7	15.0	15.2



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0101801 **Received** : 14 Feb 2024
Lab Number : 06088538 **Tested** : 15 Feb 2024
Unique Number : 10875983 **Diagnosed** : 15 Feb 2024 - Wes Davis
Test Package : FLEET

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

Certificate L2367
 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)