



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

(YA122768)

Machine Id

10567C

Component

Natural Gas Engine

Fluid

PETRO CANADA DURON GEO LD 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0109667	GFL0109737	GFL0092665
Sample Date		Client Info		09 Apr 2024	25 Jan 2024	28 Nov 2023
Machine Age	hrs	Client Info		0	18045	18025
Oil Age	hrs	Client Info		0	70	532
Filter Age	hrs	Client Info		0	70	0
Oil Changed		Client Info		N/A	Not Changd	Changed
Filter Changed		Client Info		N/A	Not Changd	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	17	0	▲ 67
Chromium	ppm	ASTM D5185m	>4	<1	<1	▲ 5
Nickel	ppm	ASTM D5185m	>2	0	0	1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>9	1	1	4
Lead	ppm	ASTM D5185m	>30	0	0	2
Copper	ppm	ASTM D5185m	>35	<1	0	25
Tin	ppm	ASTM D5185m	>4	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

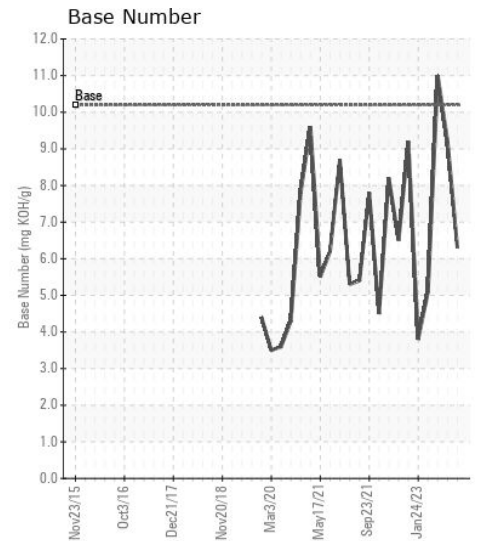
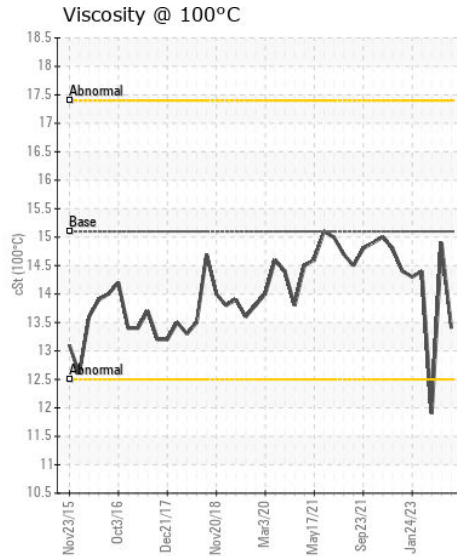
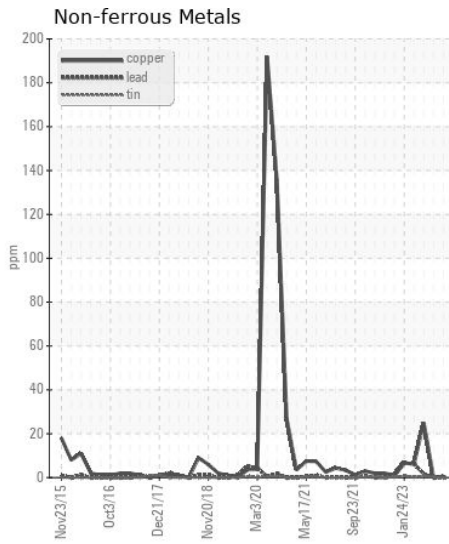
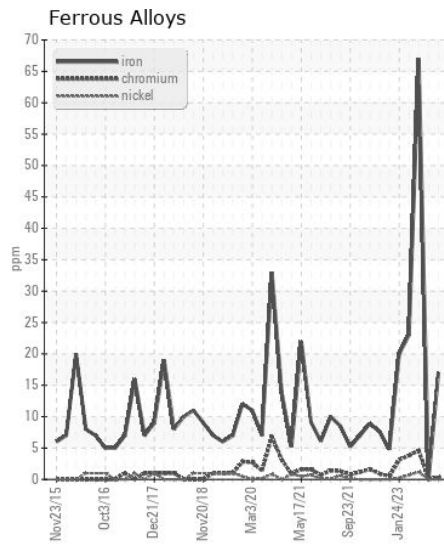
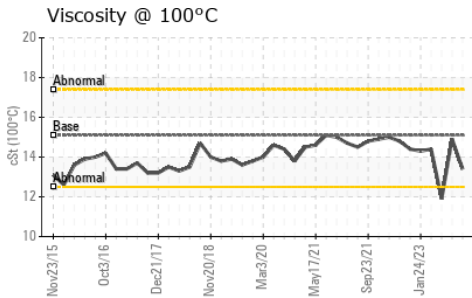
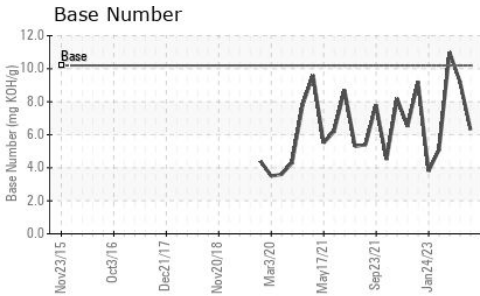
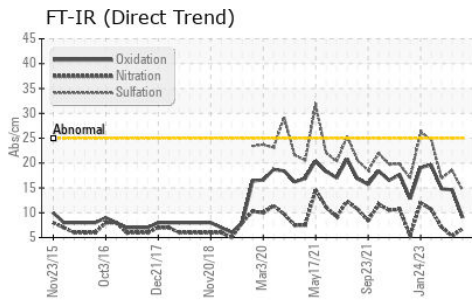
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>+100	6	6	32
Potassium	ppm	ASTM D5185m	>20	5	0	3
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol		WC Method		---	---	0.0
Soot %	%	*ASTM D7844		0.1	0	0.1
Nitration	Abs/cm	*ASTM D7624	>20	6.8	5.3	7.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	14.4	18.6	16.9
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	0.2%

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		8	2	7
Boron	ppm	ASTM D5185m	50	99	43	44
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	72	47	49
Manganese	ppm	ASTM D5185m	0	<1	0	2
Magnesium	ppm	ASTM D5185m	560	639	610	566
Calcium	ppm	ASTM D5185m	1510	1091	1304	1291
Phosphorus	ppm	ASTM D5185m	780	741	795	760
Zinc	ppm	ASTM D5185m	870	842	932	908
Sulfur	ppm	ASTM D5185m	2040	3114	2416	2427
Oxidation	Abs/.1mm	*ASTM D7414	>25	9.0	14.6	14.8
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	6.3	9.2	11.0
Visc @ 100°C	cSt	ASTM D445	15.1	13.4	14.9	● 11.9



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0109667
Lab Number : 06150038
Unique Number : 10980116
Test Package : FLEET

Received : 16 Apr 2024
Tested : 17 Apr 2024
Diagnosed : 17 Apr 2024 - Wes Davis

GFL Environmental - 005 - Wilson/Tri-East (CNG)
 2810 Contentnea Road S
 Wilson, NC
 US 27893-8501
 Contact: SPENCER LIGGON
 spencer.liggon@gflenv.com
 T: (800)207-6618
 F:

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)