



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
10740C AUTOCAR ACX
 Component
Natural Gas Engine
 Fluid
PETRO CANADA DURON GEO LD 15W40 (28 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0117499	GFL0094671	GFL0056682
Sample Date		Client Info		10 May 2024	20 Oct 2023	14 Apr 2023
Machine Age	hrs	Client Info		18736	17557	14725
Oil Age	hrs	Client Info		1179	2343	1648
Filter Age	hrs	Client Info		0	0	1648
Oil Changed		Client Info		Not Changed	Changed	Changed
Filter Changed		Client Info		Not Changed	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	15	21	17
Chromium	ppm	ASTM D5185m	>4	1	3	3
Nickel	ppm	ASTM D5185m	>2	0	1	2
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	3	3	2
Lead	ppm	ASTM D5185m	>30	4	4	11
Copper	ppm	ASTM D5185m	>35	0	<1	1
Tin	ppm	ASTM D5185m	>4	<1	<1	2
Vanadium	ppm	ASTM D5185m		0	<1	1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

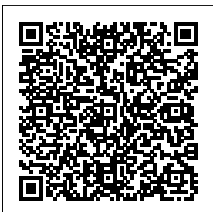
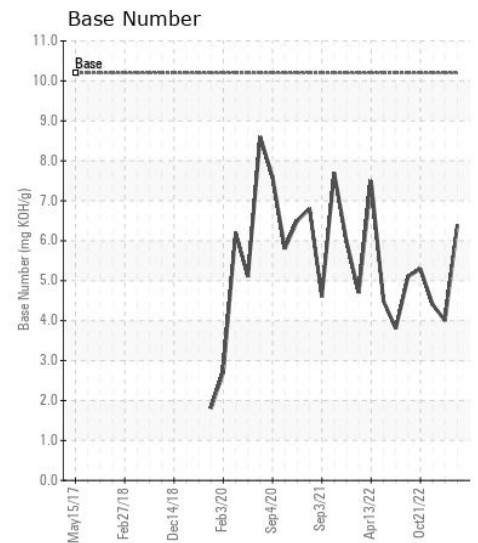
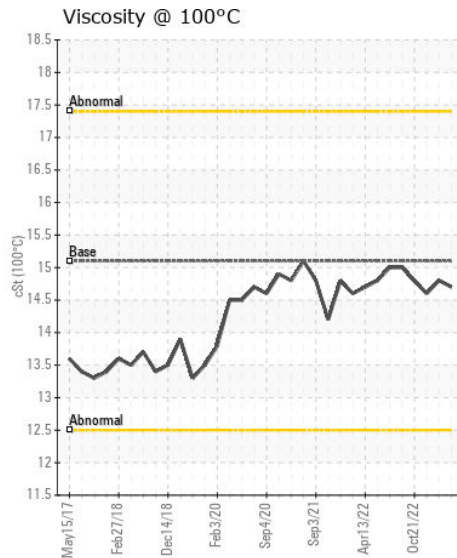
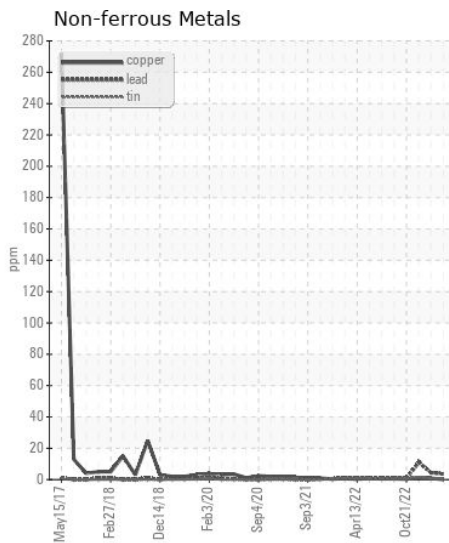
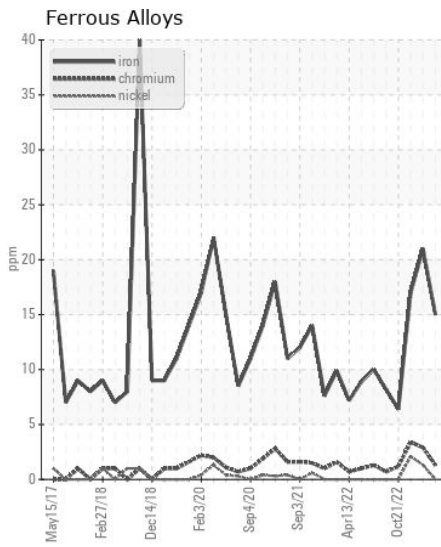
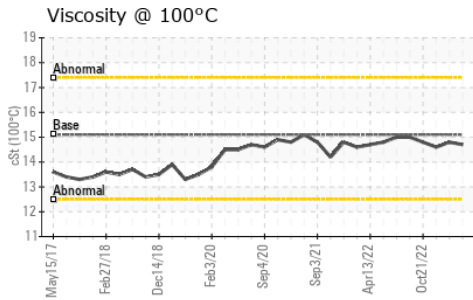
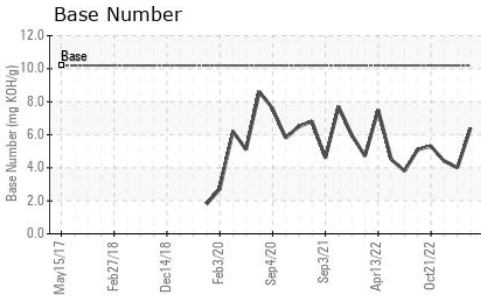
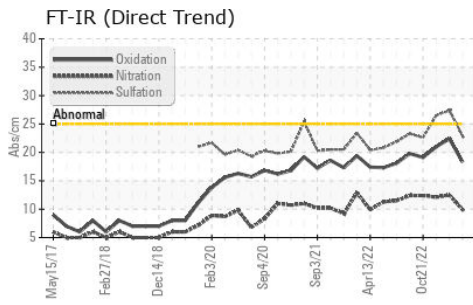
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>+100	7	6	6
Potassium	ppm	ASTM D5185m	>20	3	2	2
Water		WC Method	>0.1	NEG	NEG	NEG
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	9.9	12.5	12.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.9	27.4	26.5
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		5	6	9
Boron	ppm	ASTM D5185m	50	22	2	12
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	60	66	62
Manganese	ppm	ASTM D5185m	0	<1	1	3
Magnesium	ppm	ASTM D5185m	560	670	766	630
Calcium	ppm	ASTM D5185m	1510	1873	1880	1662
Phosphorus	ppm	ASTM D5185m	780	931	988	779
Zinc	ppm	ASTM D5185m	870	1113	1227	1066
Sulfur	ppm	ASTM D5185m	2040	3120	2686	2805
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.3	22.4	21.0
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	6.4	4.0	4.4
Visc @ 100°C	cSt	ASTM D445	15.1	14.7	14.8	14.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : GFL0117499
Lab Number : 06176921
Unique Number : 11022974
Test Package : FLEET

Received : 13 May 2024
Tested : 14 May 2024
Diagnosed : 14 May 2024 - Wes Davis

GFL Environmental - 001 - Raleigh(CNG)
 3741 Conquest Drive
 Garner, NC
 US 27529

Contact: Craig Johnson
 craig.johnson@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)

T: (919)662-7100
 F: (919)662-7130