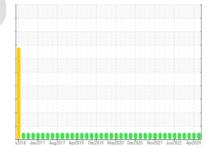


# **OIL ANALYSIS REPORT**

Sample Rating Trend





Machine Id

# 3693C AUTOCAR ACX

**Natural Gas Engine** 

PETRO CANADA DURON GEO LD 15W40 (42 QTS)

### DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

### **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.

(42 Q15)		n2016 Jan201	7 Aug2017 Apr2018 Dec20	18 May2020 Dec2020 Nov2021 Juni	2022 Apr2024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0117476	GFL0117444	GFL0094696
Sample Date		Client Info		16 Apr 2024	15 Apr 2024	07 Oct 2023
Machine Age	hrs	Client Info		21239	21213	19491
Oil Age	hrs	Client Info		0	0	0
Oil Changed	0	Client Info		Not Changd	Not Changd	Changed
Sample Status		Onorie iriio		NORMAL	NORMAL	NORMAL
CONTAMINAT	TION	method	limit/base	current	history1	history2
Water		WC Method		NEG	NEG	NEG
WEAR METAL	_S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	22	16	30
Chromium	ppm	ASTM D5185m	>4	2	2	4
Nickel	ppm	ASTM D5185m	>2	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	4	2	0
Lead	ppm	ASTM D5185m	>30	<1	<1	4
Copper	ppm	ASTM D5185m	>35	<1	0	<1
Tin	ppm	ASTM D5185m	>4	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	17	15	5
Barium	ppm	ASTM D5185m	5	0	0	<1
Molybdenum	ppm	ASTM D5185m	50	55	51	58
Manganese	ppm	ASTM D5185m	0	<1	<1	1
Magnesium	ppm	ASTM D5185m	560	558	587	564
Calcium	ppm	ASTM D5185m	1510	1544	1590	1617
Phosphorus	ppm	ASTM D5185m	780	804	771	737
Zinc	ppm	ASTM D5185m	870	959	945	995
Sulfur	ppm	ASTM D5185m	2040	2677	2681	2548
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	17	13	21
Sodium	ppm	ASTM D5185m		14	10	12
Potassium	ppm	ASTM D5185m	>20	16	12	3
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	9.8	9.7	10.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.1	20.1	23.5
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.1	17.1	19.4
<b>5</b> 11 1 (51)	1/01//					- 1

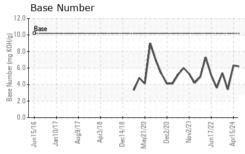
Base Number (BN) mg KOH/g ASTM D2896 10.2

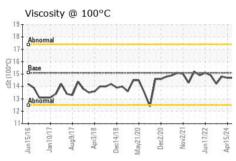
6.2



## **OIL ANALYSIS REPORT**



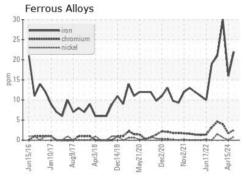


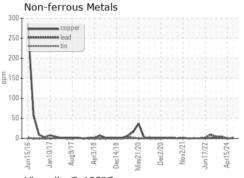


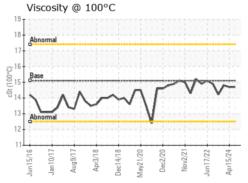
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
<b>Emulsified Water</b>	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

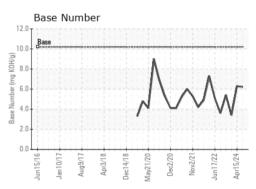
FLUID PROPE	RHES	method	ilmit/base		nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445	15.1	14.7	14.7	14.8

### **GRAPHS**













Certificate 12367

Laboratory Sample No. Unique Number : 10990485

Test Package : FLEET

: GFL0117476 Lab Number : 06155062

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received : 19 Apr 2024 **Tested** Diagnosed

: 22 Apr 2024 : 22 Apr 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. T: (919)662-7100 \* - 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) F: (919)662-7130