

# **OIL ANALYSIS REPORT**

Sample Rating Trend



**NORMAL** 



Machine Id 3580C AUTOCAR ACX

**Natural Gas Engine** 

PETRO CANADA DURON GEO LD 15W40 (

## DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor. ( Customer Sample Comment: Requested resample. )

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.

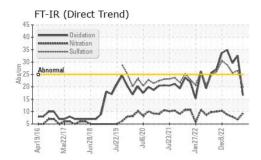
48 QTS)						
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0117429	GFL0094734	GFL0056742
Sample Date		Client Info		03 Jun 2024	14 Oct 2023	21 Sep 2023
Machine Age	hrs	Client Info		6574	4750	4557
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	N/A	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL
CONTAMINA	ΓΙΟΝ	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METAI	_S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	13	13	12
Chromium	ppm	ASTM D5185m	>4	<1	1	1
Nickel	ppm	ASTM D5185m	>2	0	<1	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	2	2	6
Lead	ppm	ASTM D5185m	>30	0	3	3
Copper	ppm	ASTM D5185m	>35	<1	<1	<1
Tin	ppm	ASTM D5185m	>4	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	17	17	20
Barium	ppm	ASTM D5185m	5	<1	0	0
Molybdenum	ppm	ASTM D5185m	50	53	17	20
Manganese	ppm	ASTM D5185m	0	<1	0	<1
Magnesium	ppm	ASTM D5185m	560	678	150	216
Calcium	ppm	ASTM D5185m	1510	1358	521	719
Phosphorus	ppm	ASTM D5185m	780	874	360	434
Zinc	ppm	ASTM D5185m	870	1010	266	400
Sulfur	ppm	ASTM D5185m	2040	2842	1535	2150
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	5	4	7
Sodium	ppm	ASTM D5185m		6	2	6
Potassium	ppm	ASTM D5185m	>20	6	1	1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.4	0	0
Nitration	Abs/cm	*ASTM D7624	>20	9.3	6.8	7.9
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.0	26.5	25.6
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.6	32.5	29.6
D 11 1 (D11)	1/011/	10TH D0000	100		<b>A</b> 0 0	A =

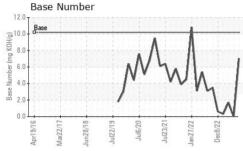
Base Number (BN) mg KOH/g ASTM D2896 10.2

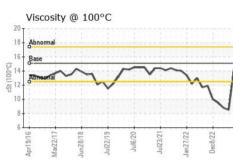
7.0



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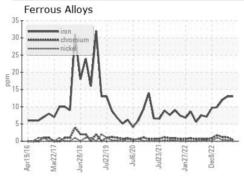


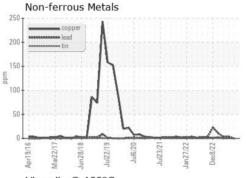


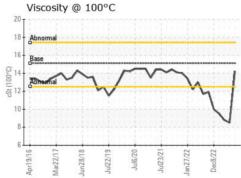
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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

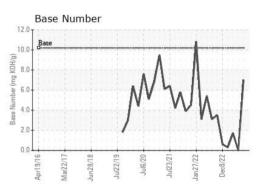
LLUID LUOP	EULIES	memod			HISTOLAL	HISTORYZ
Visc @ 100°C	cSt	ASTM D445	15.1	14.2	8.5	8.8

### **GRAPHS**













Certificate 12367

Laboratory Sample No.

: GFL0117429 Lab Number : 06199814 Unique Number : 11061937

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 05 Jun 2024 Received

**Tested** : 05 Jun 2024 Diagnosed : 07 Jun 2024 - Sean Felton

GFL Environmental - 001 - Raleigh(CNG)

3741 Conquest Drive Garner, NC US 27529

Contact: Craig Johnson To discuss this sample report, contact Customer Service at 1-800-237-1369. craig.johnson@gflenv.com

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\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Test Package : FLEET

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)