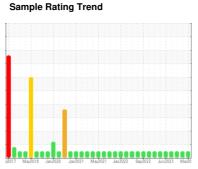


# **OIL ANALYSIS REPORT**

(YA134218) 10750C

Component **Natural Gas Engine** 

PETRO CANADA DURON GEO LD 15W40 (28 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**

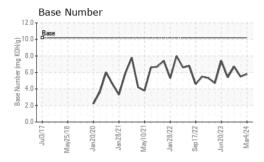
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

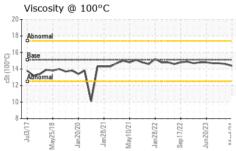
20 (310)		il2017 May20	18 Jan2020 Jan2021	May2021 Jan2022 Sep2022 Jul	n2023 Mar20	
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0112950	GFL0098132	GFL0098109
Sample Date		Client Info		04 Mar 2024	04 Jan 2024	01 Nov 2023
Machine Age	hrs	Client Info		6355	6355	6355
Oil Age	hrs	Client Info		172	435	430
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINA	TION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR META	LS	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>50	10	7	11
Chromium	ppm	ASTM D5185m	>4	<1	1	1
Nickel	ppm	ASTM D5185m	>2	0	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	1	2	<1
_ead	ppm	ASTM D5185m	>30	0	0	0
Copper	ppm	ASTM D5185m	>35	1	2	2
Tin	ppm	ASTM D5185m	>4	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	14	10	11
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	47	49	56
Manganese	ppm	ASTM D5185m	0	<1	<1	0
Magnesium	ppm	ASTM D5185m	560	626	557	582
Calcium	ppm	ASTM D5185m	1510	1751	1500	1624
Phosphorus	ppm	ASTM D5185m	780	857	721	747
Zinc	ppm	ASTM D5185m	870	1024	940	999
Sulfur	ppm	ASTM D5185m	2040	2816	2349	2655
CONTAMINAL	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	3	3	4
Sodium	ppm	ASTM D5185m		6	7	2
Potassium	ppm	ASTM D5185m	>20	0	<1	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0	0
Nitration	Abs/cm	*ASTM D7624	>20	9.9	10.4	10.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.3	19.8	19.2
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.0	17.3	16.7
Dogo Number (DNI)	ma 1/011/-	ACTM DOOGS	10.0	E 0	EE	6.7

Base Number (BN) mg KOH/g ASTM D2896 10.2 5.8



# **OIL ANALYSIS REPORT**

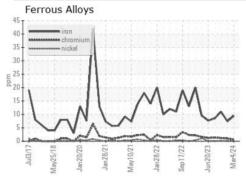


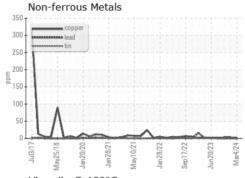


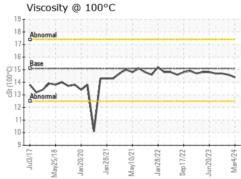
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

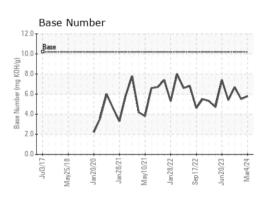
FLUID PROP	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.1	14.4	14.6	14.7

## **GRAPHS**













Certificate L2367

Laboratory Sample No.

Lab Number : 06108022 Unique Number: 10911519

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0112950

Test Package : FLEET

Received : 04 Mar 2024 **Tested** : 05 Mar 2024

Diagnosed : 05 Mar 2024 - Wes Davis

GFL Environmental - 017 - Durham

148 Stone Park Court Durham, NC

US 27703 Contact:

bill.waring@wearcheck.com T: (919)596-1363

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)

F: (919)598-1852