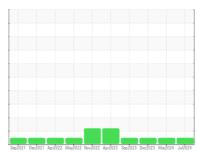


# **OIL ANALYSIS REPORT**

Sample Rating Trend







Machine Id
744007
Component

Natural Gas Engine

Fluid

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

## DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil

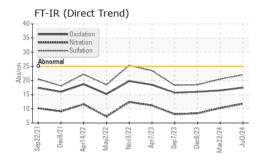
### **Fluid Condition**

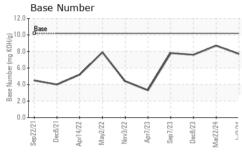
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

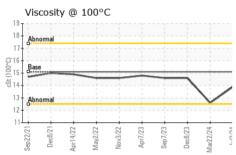
( LTR) Sop2021 Doc2021 April022 Mony2022 Mony2022 April023 Sop2023 Sop2023 Mon2024 Jud024						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0119143	GFL0115476	GFL0094236
Sample Date		Client Info		03 Jul 2024	22 Mar 2024	08 Dec 2023
Machine Age	hrs	Client Info		25471	5845	5375
Oil Age	hrs	Client Info		5845	470	303
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	19	20	5
Chromium	ppm	ASTM D5185m	>4	<1	0	<1
Nickel	ppm	ASTM D5185m	>2	<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	3	2	1
Lead	ppm	ASTM D5185m	>30	<1	1	<1
Copper	ppm	ASTM D5185m	>35	2	<1	<1
Tin	ppm	ASTM D5185m	>4	<1	<1	<1
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	6	4	26
Barium	ppm	ASTM D5185m	5	0	0	11
Molybdenum	ppm	ASTM D5185m	50	58	58	49
Manganese	ppm	ASTM D5185m	0	0	<1	<1
Magnesium	ppm	ASTM D5185m	560	780	879	542
Calcium	ppm	ASTM D5185m	1510	1280	1071	1459
Phosphorus	ppm	ASTM D5185m	780	947	1045	752
Zinc	ppm	ASTM D5185m	870	1164	1245	910
Sulfur	ppm	ASTM D5185m	2040	2693	3381	2790
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	4	3	3
Sodium	ppm	ASTM D5185m		26	18	4
Potassium	ppm	ASTM D5185m	>20	19	9	3
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		1.1	1.5	0
Nitration	Abs/cm	*ASTM D7624	>20	11.8	10.3	8.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.0	20.5	18.5
FLUID DEGRA	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.5	16.5	16.0
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	7.7	8.7	7.6



# **OIL ANALYSIS REPORT**



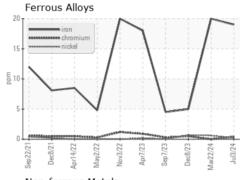


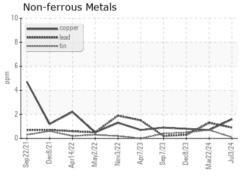


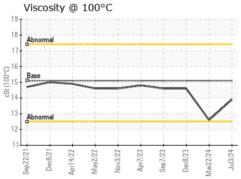
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

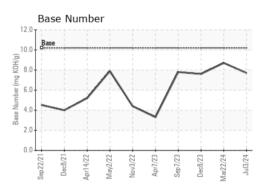
FLUID PROPE	EKITES	metnoa	ilmit/base	current	nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445	15.1	13.9	12.6	14.6

### **GRAPHS**













Certificate 12367

Laboratory Sample No.

: GFL0119143 Lab Number : 06229966 Unique Number : 11113459 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 08 Jul 2024 **Tested** : 09 Jul 2024

Diagnosed : 09 Jul 2024 - Wes Davis

GFL Environmental - 882 - Gainesville

5002 SW 41st Blvd Gainesville, FL

US 32608 Contact: ROBERT CLARK robert.clark@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:

F: