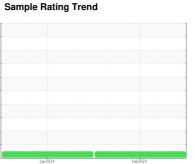


# **OIL ANALYSIS REPORT**



**NORMAL** 



Machine Id **934064** 

Component

**Natural Gas Engine** 

PETRO CANADA DURON GEO LD 15W40 (

## DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. ( Customer Sample Comment: Engine oil sample)

All component wear rates are normal.

### Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. No other contaminants were detected in the oil.

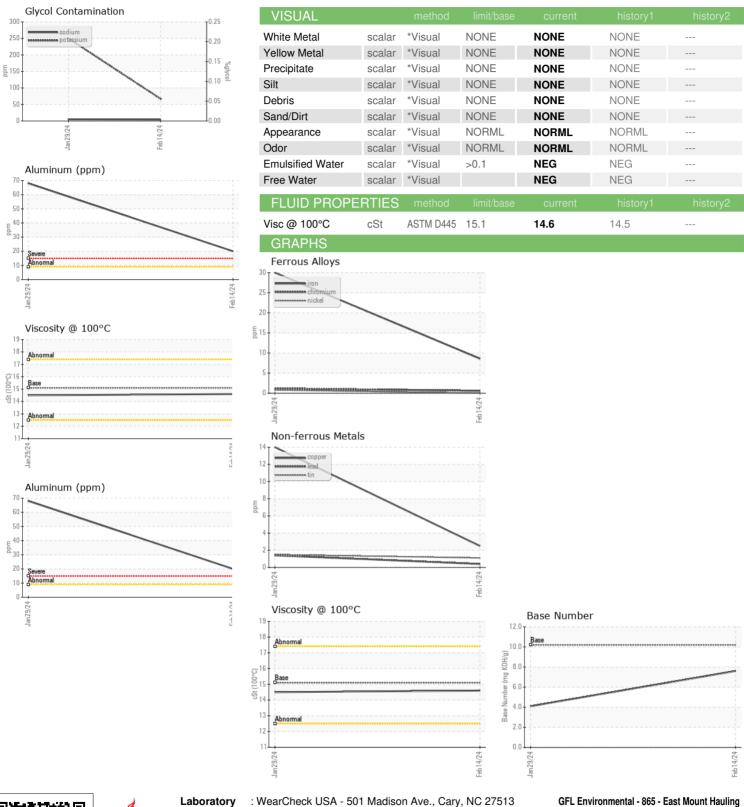
### Fluid Condition

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

GAL)						
•			Jan 2024	Feb2024		
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0103946	GFL0103964	
Sample Date		Client Info		14 Feb 2024	29 Jan 2024	
Machine Age	nrs	Client Info		775	645	
Oil Age	nrs	Client Info		775	645	
Oil Changed		Client Info		Not Changd	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
ron p	opm	ASTM D5185m	>50	9	30	
Chromium p	opm	ASTM D5185m	>4	<1	1	
Nickel p	ppm	ASTM D5185m	>2	0	<1	
Fitanium p	opm	ASTM D5185m		0	0	
Silver p	pm	ASTM D5185m	>3	0	0	
Aluminum g	pm	ASTM D5185m	>9	20	68	
	pm	ASTM D5185m	>30	<1	1	
	pm	ASTM D5185m	>35	2	14	
	opm	ASTM D5185m	>4	1	2	
	opm	ASTM D5185m		<1	0	
	opm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron r	opm	ASTM D5185m	50	24	10	
1	opm	ASTM D5185m		0	<1	
	opm	ASTM D5185m	50	46	52	
	opm	ASTM D5185m		2	12	
	opm	ASTM D5185m	560	542	706	
,	opm		1510	1452	1219	
	opm	ASTM D5185m	780	715	696	
<u> </u>	opm	ASTM D5185m	870	877	901	
	opm	ASTM D5185m	2040	2263	2278	
CONTAMINANT	S	method	limit/base	current	history1	history2
	opm	ASTM D5185m	>+100	8	26	
1	opm	ASTM D5185m		4	5	
	opm	ASTM D5185m	>20	67	250	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0	
	Abs/cm	*ASTM D7624	>20	8.1	11.5	
	Abs/.1mm	*ASTM D7024		19.2	22.7	
FLUID DEGRADA		method	limit/base	current	history1	history2
	Abs/.1mm	*ASTM D7414	>25	16.4	20.3	
Base Number (BN)	ng KOH/g	ASTM D2896	10.2	7.6	4.1	



## **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory Sample No. Lab Number

• No. : GFL0103946

Lab Number : 06097520 Unique Number : 10890373 Test Package : FLEET

USA - 501 Madison Ave., Cary, NC 27513 6 **Received** : 22 Feb 2024 **Tested** : 23 Feb 2024

Diagnosed : 24 Feb 2024 - Don Baldridge

GFL Environmental - 865 - East Mount Hauling 7213 East Mount Houston Boad

7213 East Mount Houston Road Houston, TX

US 77050 Contact: Saul Castillo saul.castillo@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: