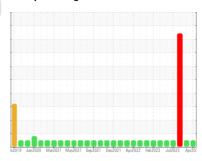


**OIL ANALYSIS REPORT** 

Area **(YA144061)** 2706C

Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (46 GAL)



Sample Rating Trend



# 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

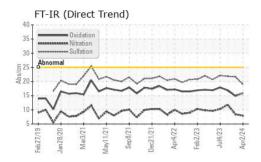
## **Fluid Condition**

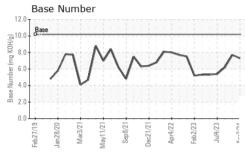
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

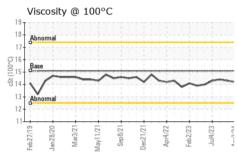
		pZD13 JanZOZ		021 Dec2021 Apr2022 Feb2023 J	·				
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		GFL0090054	GFL0099820	GFL0080524			
Sample Date		Client Info		02 Apr 2024	28 Dec 2023	17 Oct 2023			
Machine Age	hrs	Client Info		14340	14340	73012			
Oil Age	hrs	Client Info		0	14340	73012			
Oil Changed		Client Info		Changed	Changed	Changed			
Sample Status				NORMAL	NORMAL	SEVERE			
CONTAMINAT	ION	method	limit/base	current	history1	history2			
Water		WC Method	>0.1	NEG	NEG	NEG			
Glycol		WC Method				▲ 0.12			
WEAR METAL	S	method	limit/base	current	history1	history2			
Iron	ppm	ASTM D5185m	>50	7	16	46			
Chromium	ppm	ASTM D5185m	>4	<1	<1	4			
Nickel	ppm	ASTM D5185m	>2	0	0	<1			
Titanium	ppm	ASTM D5185m		<1	0	<1			
Silver	ppm	ASTM D5185m	>3	0	0	<1			
Aluminum	ppm	ASTM D5185m	>9	2	2	6			
Lead	ppm	ASTM D5185m	>30	0	<1	13			
Copper	ppm	ASTM D5185m	>35	<1	<1	2			
Tin	ppm	ASTM D5185m	>4	<1	<1	<1			
Vanadium	ppm	ASTM D5185m		<1	0	0			
Cadmium	ppm	ASTM D5185m		0	0	0			
ADDITIVES		method	limit/base	current	history1	history2			
Boron	ppm	ASTM D5185m	50	37	35	26			
Barium	ppm	ASTM D5185m	5	0	0	2			
Molybdenum	ppm	ASTM D5185m	50	50	46	66			
Manganese	ppm	ASTM D5185m	0	<1	<1	<1			
Magnesium	ppm	ASTM D5185m	560	499	534	511			
Calcium	ppm	ASTM D5185m	1510	1451	1490	1402			
Phosphorus	ppm	ASTM D5185m	780	730	800	681			
Zinc	ppm	ASTM D5185m	870	879	894	912			
Sulfur	ppm	ASTM D5185m	2040	2498	2496	2306			
CONTAMINAN	TS	method	limit/base	current	history1	history2			
Silicon	ppm	ASTM D5185m	>+100	6	9	26			
Sodium	ppm	ASTM D5185m		6	29	<u>▲</u> 662			
Potassium	ppm	ASTM D5185m	>20	4	20	<u></u> 510			
INFRA-RED		method	limit/base	current	history1	history2			
Soot %	%	*ASTM D7844		0	1.9	0			
Nitration	Abs/cm	*ASTM D7624	>20	7.9	8.4	11.8			
Sulfation	Abs/.1mm	*ASTM D7415		19.0	21.7	21.8			
FLUID DEGRADATION method limit/base current history1 history2									
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.9	14.9	16.9			
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	7.3	7.7	6.2			

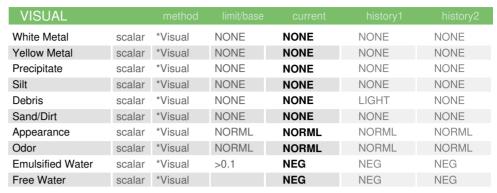


# **OIL ANALYSIS REPORT**



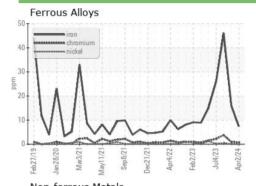


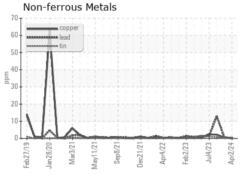


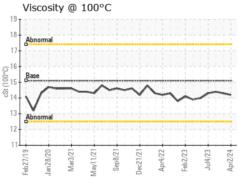


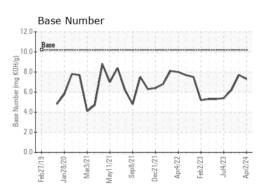
FLUID PROPE	ERITES	metnoa	ilmit/base	current	nistory i	nistory2
Visc @ 100°C	cSt	ASTM D445	15.1	14.2	14.3	14.4

### **GRAPHS**













Certificate L2367

Laboratory Sample No.

: GFL0090054 Lab Number : 06138260 Unique Number: 10963068 Test Package : FLEET

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

: 04 Apr 2024 **Tested** Diagnosed

: 04 Apr 2024 : 04 Apr 2024 - Wes Davis

GFL Environmental - 018 - Fayetteville 4621 Marracco Drive

Hope Mills, NC US 28348

Contact: Robert Carter robert.carter@gflenv.com T: (910)596-1170

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)

Report Id: GFL018 [WUSCAR] 06138260 (Generated: 04/04/2024 15:46:31) Rev: 1

F: