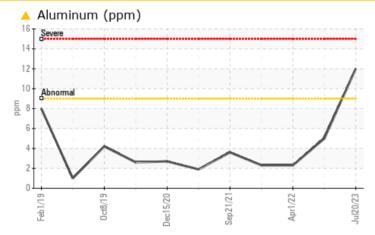


CHECK

Machine Id **3798C** Component

### Natural Gas Engine Fluid PETRO CANADA DURON GEO LD 15W40 (46 GAL)

# COMPONENT CONDITION SUMMARY



# RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS							
Sample Status				ABNORMAL	ABNORMAL	NORMAL	
Aluminum	ppm	ASTM D5185m	>9	<u> </u>	5	2	

Customer Id: GFL018 Sample No.: GFL0080600 Lab Number: 05904150 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data: Angela Borella +1 800-237-1369 angela.borella@wearcheckusa.com

*To change component or sample information:* Customer Service +1 1-800-237-1369 <u>customerservice@wearcheck.com</u>

RECOMMENDED ACTIONS							
Action	Status	Date	Done By	Description			
Change Fluid			?	Oil and filter change at the time of sampling has been noted.			
Change Filter			?	Oil and filter change at the time of sampling has been noted.			

# HISTORICAL DIAGNOSIS



### 04 Jan 2023 Diag: Jonathan Hester

No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. Sodium and/or potassium levels are high. There is a light concentration of water present in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



view report

### 01 Apr 2022 Diag: Wes Davis



Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

#### 19 Nov 2021 Diag: Don Baldridge

### NORMAL



Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.







# **OIL ANALYSIS REPORT**

Sample Rating Trend

WEAR

# Machine Id 3798C

Component
Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (46 GAL)

# DIAGNOSIS

### Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

### 🔺 Wear

The aluminum level is abnormal. All other component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

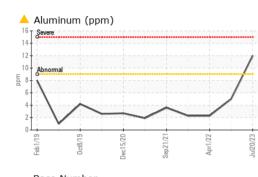
### Fluid Condition

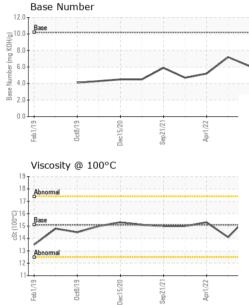
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

		H602019	UCI2019 Dec2020	SBP2021 API2022	JUIZUZ3	
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0080600	GFL0066790	GFL0042530
Sample Date		Client Info		20 Jul 2023	04 Jan 2023	01 Apr 2022
Machine Age	hrs	Client Info		11795	11795	11795
Oil Age	hrs	Client Info		11795	11795	533
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAR METALS	;	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	48	42	12
Chromium	ppm	ASTM D5185m	>4	3	2	<1
Nickel	ppm	ASTM D5185m	>2	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>9	<u> </u>	5	2
	ppm	ASTM D5185m	>30	0	1	<1
	ppm		>35	<1	<1	<1
	ppm	ASTM D5185m	>4	<1	0	<1
Antimony	ppm	ASTM D5185m				
	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	20	15
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	50	73	58	59
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m	560	757	598	674
Calcium	ppm	ASTM D5185m	1510	2198	1734	1919
Phosphorus	ppm	ASTM D5185m	780	927	774	803
Zinc	ppm	ASTM D5185m	870	1269	1023	1079
	ppm	ASTM D5185m	2040	3189	2932	2473
CONTAMINANT	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>+100	19	9	4
Sodium	ppm	ASTM D5185m		39	<u> </u>	8
Potassium	ppm	ASTM D5185m	>20	<1	4	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	12.1	11.6	12.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.9	21	24.8
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.8	17.2	21.1
Base Number (BN)	mg KOH/g	ASTM D2896	10.2	6.1	7.2	5.2

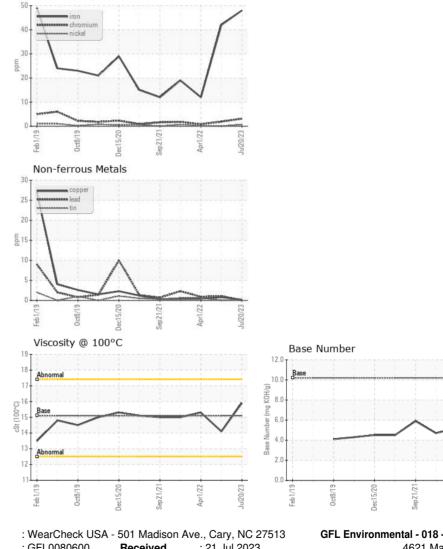


# **OIL ANALYSIS REPORT**

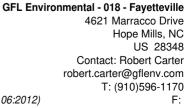




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.1	15.9	14.1	15.3
GRAPHS						
Ferrous Alloys						







Apr1/22 -

Jul20/23