

RECOMMENDATION

We advise that you check the fuel injection system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

PROBLEMATIO	PROBLEMATIC TEST RESULTS						
Sample Status				SEVERE	NORMAL	NORMAL	
Fuel	%	ASTM D3524	>3.0	• 8.4	<1.0	<1.0	
Soot %	%	*ASTM D7844	>4	4 .1	2.8	3.8	

Customer Id: GFL884 Sample No.: GFL0081045 Lab Number: 05920017 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data: Wes Davis +1 905-569-8600 x223 wesd@wearcheck.ca

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

RECOMMENDED ACTIONS							
Action	Status	Date	Done By	Description			
Resample			?	We recommend an early resample to monitor this condition.			
Check Fuel/injector System			?	We advise that you check the fuel injection system.			

HISTORICAL DIAGNOSIS



20 Apr 2023 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.



01 Feb 2023 Diag: Wes Davis



Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity. filter type and micron rating with next sample.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.

30 Jan 2023 Diag: Don Baldridge



Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The lead level is abnormal. All other 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.



view report

view report

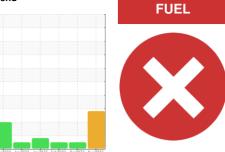






OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id 425053-402403 Component

Diesel Engine

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

DIAGNOSIS	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		GFL0081045	GFL0052591	GFL0052578
Ve advise that you check the fuel injection system.	Sample Date		Client Info		08 Aug 2023	20 Apr 2023	01 Feb 2023
he oil change at the time of sampling has been	Machine Age	hrs	Client Info		42266	41836	41263
oted. We recommend an early resample to nonitor this condition.	Oil Age	hrs	Client Info		600	1200	600
	Oil Changed		Client Info		Changed	Changed	Changed
Vear	Sample Status				SEVERE	NORMAL	NORMAL
Il component wear rates are normal.	CONTAMINAT	ION	method	limit/base	current	history1	history2
Contamination here is a high amount of fuel present in the oil.	Glycol		WC Method		NEG	NEG	NEG
ight concentration of carbon/soot present in the oil. ests confirm the presence of fuel in the oil.	WEAR METAL	.S	method	limit/base	current	history1	history2
luid Condition	Iron	ppm	ASTM D5185m	>120	33	22	33
he BN result indicates that there is suitable	Chromium	ppm	ASTM D5185m		<1	<1	1
Ikalinity remaining in the oil. The oil is no longer	Nickel	ppm	ASTM D5185m		<1	0	<1
erviceable due to the presence of contaminants.	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m		<1	0	0
	Aluminum	ppm	ASTM D5185m		2	2	1
	Lead	ppm	ASTM D5185m		9	2	35
	Copper	ppm	ASTM D5185m		26	26	69
	Tin	ppm	ASTM D5185m	>15	3	3	6
	Vanadium	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	15	20	13
	Barium	ppm	ASTM D5185m	5	0	0	0
	Molybdenum	ppm	ASTM D5185m	50	49	47	47
	Manganese	ppm	ASTM D5185m	0	<1	<1	<1
	Magnesium	ppm	ASTM D5185m	560	464	532	446
	Calcium	ppm	ASTM D5185m	1510	1446	1472	1364
	Phosphorus	ppm	ASTM D5185m	780	648	745	614
	Zinc	ppm	ASTM D5185m	870	870	911	830
	Sulfur	ppm	ASTM D5185m	2040	2158	2679	2040
	CONTAMINAN	ITS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	3	5	3
	Sodium	ppm	ASTM D5185m		2	3	2
	Potassium	ppm	ASTM D5185m		1	0	<1
	Fuel	%	ASTM D3524	>3.0	e 8.4	<1.0	<1.0
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>4	4 .1	2.8	3.8
	Nitration	Abs/cm	*ASTM D7624	>20	13.2	10.6	13.2
	Sulfation	Abs/.1mm	*ASTM D7415	>30	28.1	23.9	28.3
	FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
	FLUID DEGRA	DATION Abs/.1mm	method *ASTM D7414		current 19.6	history1 17.4	history2 21.8



OIL ANALYSIS REPORT

