

RECOMMENDATION

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

PROBLEMATIC TEST RESULTS								
Sample Status				SEVERE	ABNORMAL	ABNORMAL		
Fuel	%	ASTM D3524	>5	🛑 12.0	▲ 7.0	6.8		
Visc @ 100°C	cSt	ASTM D445	15.4	🔺 11.5	1 1.9	▲ 12.1		

Customer Id: GFL891 Sample No.: GFL0060577 Lab Number: 05800664 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 <u>don.b505@comcast.net</u>

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

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.		
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



15 Dec 2022 Diag: Wes Davis

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.All component wear rates are normal. There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.





16 Nov 2022 Diag: Doug Bogart

We advise that you check the fuel injection system. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a moderate amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.





NORMAI

07 Nov 2022 Diag: Wes Davis

Resample at the next service interval to monitor. No other corrective action is recommended at this time. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected 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



Machine Id Fluid

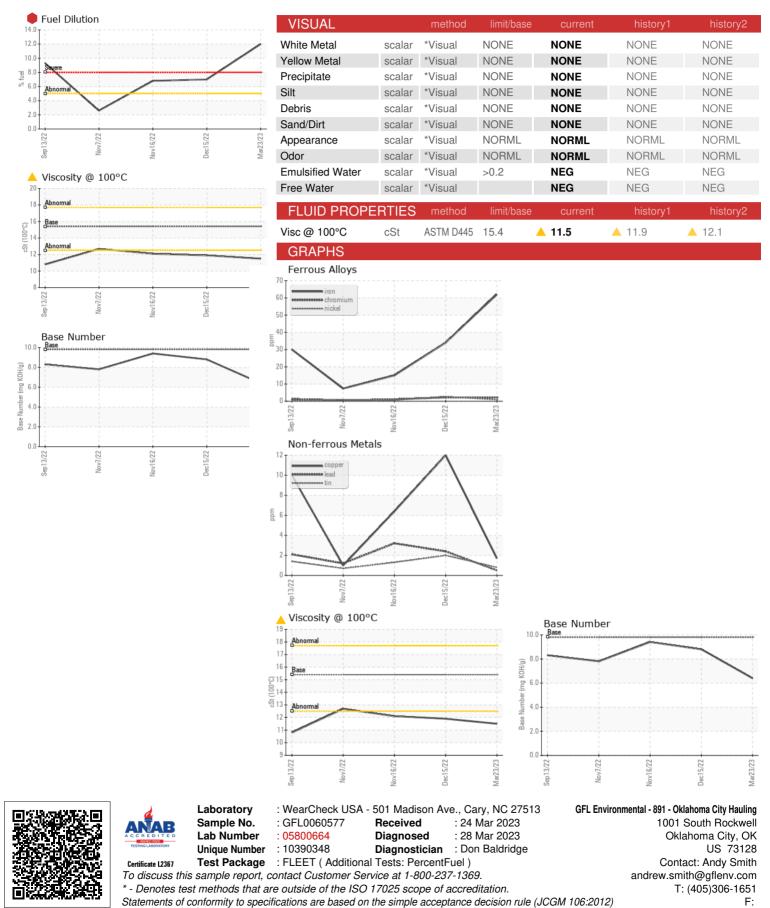
426090-402433 Component **Diesel Engine**

PETRO CANADA DURON SHP 15W40 (--- GAL)

DIACNOCIC			ام م مالح میں			lata ta mud	bistow.0
DIAGNOSIS	SAMPLE INFORI		method	limit/base	current	history1	history2
	Sample Number		Client Info		GFL0060577	GFL0060597	GFL0060620
	Sample Date		Client Info		23 Mar 2023	15 Dec 2022	16 Nov 2022
an noted. We recommand an early recomple to	Machine Age	hrs	Client Info		3114	2507	2254
nonitor this condition.	Oil Age	hrs	Client Info		607	531	276
() ()	Oil Changed		Client Info		Changed	N/A	Not Changd
Vear Il component wear rates are normal.	Sample Status				SEVERE	ABNORMAL	ABNORMAL
Contamination	CONTAMINAT	ION	method	limit/base	current	history1	history2
here is a high amount of fuel present in the oil.	Glycol		WC Method		NEG	NEG	NEG
Fluid Condition	WEAR METAL	S	method	limit/base	current	history1	history2
	Iron	ppm	ASTM D5185m	>120	62	34	15
resence of contaminants.	Chromium	ppm	ASTM D5185m	>20	2	2	1
I	Nickel	ppm	ASTM D5185m	>5	<1	3	<1
1	Titanium	ppm	ASTM D5185m	>2	<1	<1	<1
	Silver	ppm	ASTM D5185m		1	0	0
	Aluminum	ppm	ASTM D5185m	>20	10	6	3
	Lead	ppm	ASTM D5185m		<1	2	3
	Copper	ppm	ASTM D5185m		2	12	6
	Tin	ppm	ASTM D5185m		- <1	2	1
	Vanadium	ppm	ASTM D5185m	210	<1	0	0
	Cadmium	ppm	ASTM D5185m		0	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	35	6	3
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		55	53	55
	Manganese	ppm	ASTM D5185m		2	<1	<1
	Magnesium	ppm	ASTM D5185m		- 577	805	837
	Calcium	ppm	ASTM D5185m		1980	987	970
	Phosphorus		ASTM D5185m		1052	864	886
	Zinc	ppm	ASTM D5185m		1231	1085	998
	Sulfur	ppm ppm	ASTM D5185m		3535	2781	2904
	CONTAMINAN		method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m		15	10	5
,	Sodium	ppm	ASTM D5185m		0	4	1
	Potassium	ppm	ASTM D5185m	>20	0	0	0
	Fuel	%	ASTM D3524		12.0	▲ 7.0	▲ 6.8
	INFRA-RED		method	limit/base	current	history1	history2
		0/	*ASTM D7844			3.1	1.7
	Soot %	%			3.5		
	Nitration Sulfation	Abs/cm Abs/.1mm	*ASTM D7624 *ASTM D7415		10.0	10.1 24.1	7.9 21.0
,					23.9		
			method	limit/base	current	history1	history2
	FLUID DEGRA						-
	Oxidation Base Number (BN)	Abs/.1mm	*ASTM D7414	>25	14.2 6.4	14.6 8.8	13.8 9.4



OIL ANALYSIS REPORT



Contact/Location: Andy Smith - GFL891