

10-

9.

Sep9/19

Aug9/23

May26/23

Sep20/19 .

RECOMMENDATION

Sep20/19

0.0

Sep9/

We advise that you check the fuel injection system. 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.

0ct31/19

Apr25/20

Apr12/22

PROBLEMATIC TEST RESULTS								
Sample Status				SEVERE	SEVERE	MARGINAL		
Fuel	%	ASTM D3524	>3.0	🛑 10.1	10.6	▲ 3.7		
Visc @ 100°C	cSt	ASTM D445	15.4	🔺 11.4	10.8	13.2		

Apr25/20

Apr12/22

Dec26/22

0ct31/19

Customer Id: GFL865 Sample No.: GFL0083448 Lab Number: 05929202 Test Package: FLEET



Mar9/23

Mar17/23

Dec26/22

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 Aug9/23

Mar17/23

May26/23

Mar9/23

RECOMMENDEL	JACTIONS			
Action	Status	Date	Done By	Description
Change Fluid			?	We recommend that you drain the oil from the component if this has not already been done.
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





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.All component wear rates are normal. There is a high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.



view report

17 Mar 2023 Diag: Doug Bogart



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

09 Mar 2023 Diag: Don Baldridge



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.All component wear rates are normal. There is a high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.





OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 4280 Componen Diesel I Fluid PETRO

428045-402448 Component Diesel Engine

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

DIAGNOSIS

Recommendation

We advise that you check the fuel injection system. 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.

Wear

All component wear rates are normal.

Contamination

There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

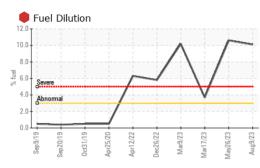
Fluid Condition

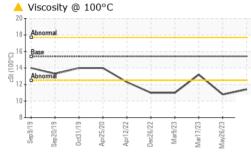
The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

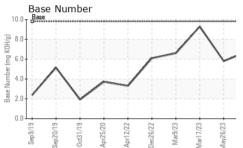
Sample Number Client Info GFL0083448 GFL0083427 GFL0074191 Sample Date ⊂ Client Info 09 Aug 2023 26 May 2023 17 Mar 2023 Machine Age hrs Client Info 17431 17011 16484 Oil Age hrs Client Info Not Change Changed Changed Sample Status I Imitbase current history1 history2 Glycol WC Method Imitbase current history1 history2 Iron ppm ASTM 05185m >12.0 4 4 5 Chromium ppm ASTM 05185m >2.0 <1 0 <1 Nickel ppm ASTM 05185m >2.0 0 0 <1 Silver ppm ASTM 05185m >2.0 0 0 0 0 Glycal ppm ASTM 05185m >2.0 0 0 0 0 Iron ppm ASTM 05185m >2.0 0	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
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Oxidation Abs/.1mm *ASTM D7414 >25 13.5 15.3 13.3	Sulfation	Abs/.1mm	*ASTM D7415	>30	17.7	20.1	
	FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Base Number (BN) mg KOH/g ASTM D2896 9.8 6.8 5.8 9.3	Oxidation	Abs/.1mm	*ASTM D7414	>25	13.5	15.3	13.3
	Base Number (BN)	mg KOH/g	ASTM D2896	9.8	6.8	5.8	9.3



OIL ANALYSIS REPORT

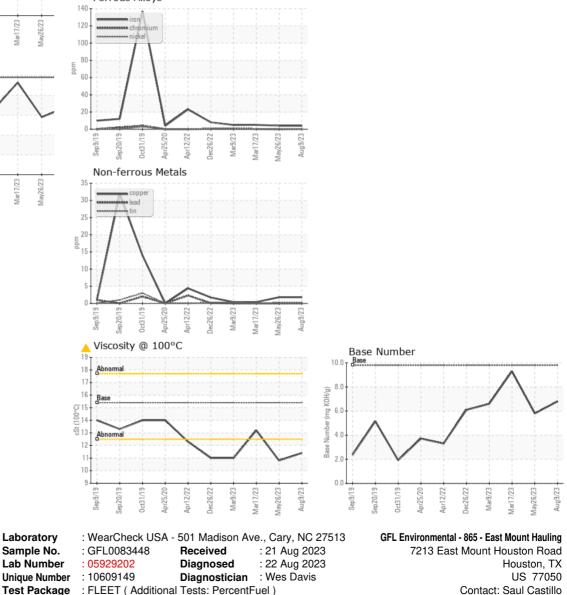


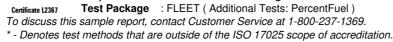




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	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	15.4	11.4	1 0.8	13.2
GRAPHS						

Ferrous Alloys





Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

saul.castillo@gflenv.com

Т:

F: