

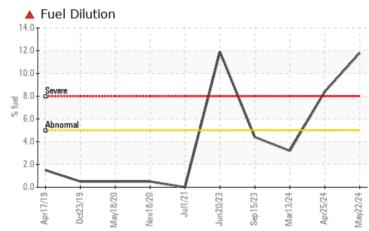
# **PROBLEM SUMMARY**

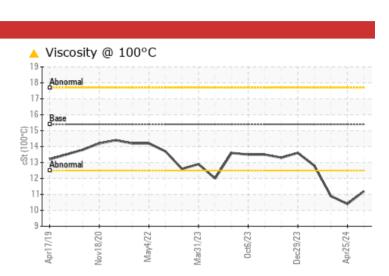
Machine Id

725056-310015

Diesel Engine Fluid PETRO CANADA DURON SHP 15W40 (--- GAL)

## COMPONENT CONDITION SUMMARY





FUEL

### 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.

PROBLEMATIO	C TEST	<b>FRESULT</b>	S			
Sample Status				SEVERE	SEVERE	ABNORMAL
Fuel	%	ASTM D3524	>5	<b>11.8</b>	▲ 8.4	<b>3</b> .2
Visc @ 100°C	cSt	ASTM D445	15.4	<b>11.2</b>	<b>1</b> 0.4	<b>1</b> 0.9

Sample Rating Trend

Customer Id: GFL822 Sample No.: GFL0118244 Lab Number: 06193512 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 <u>customerservice@wearcheck.com</u>

RECOMMENDED ACTIONS					
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



## 25 Apr 2024 Diag: Sean Felton

13 Mar 2024 Diag: Wes Davis

the viscosity. The condition of the oil is suitable for further service.

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. Elemental level of silicon (Si) above normal indicating ingress of seal material. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

Resample at the next service interval to monitor.All component wear rates are normal. Light fuel dilution occurring.

The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering







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

# Machine Id **725056-310015**

Diesel Engine Fluid 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

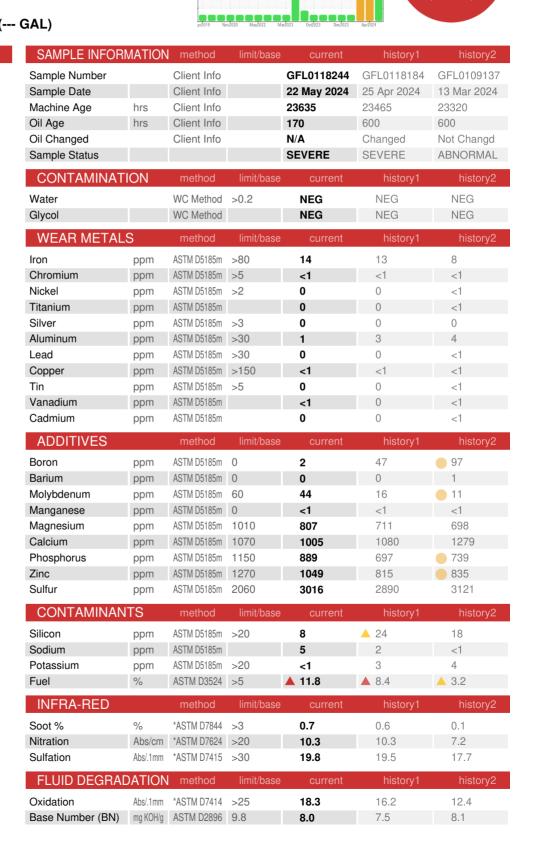
All component wear rates are normal.

#### Contamination

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

#### Fluid Condition

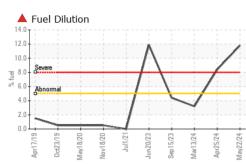
The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

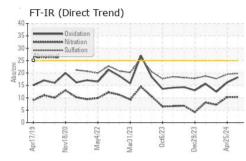


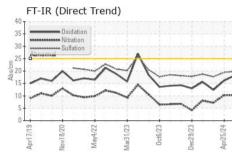
FUEL

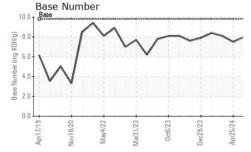


# **OIL ANALYSIS REPORT**

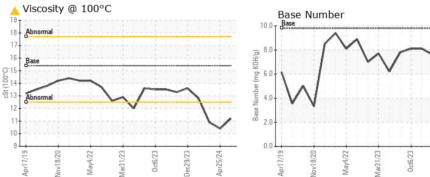








VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	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	<b>11.2</b>	<b>1</b> 0.4	▲ 10.9
GRAPHS						
Ferrous Alloys						
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35 - iron	···· A ····					
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	1/23	6/23 - 9/23 -	5/24			
Apr17/19 Nov18/20	Mar31/23	0ct6/23	Apr25/24			
Non-ferrous Meta	Σ	0ct6/23	Apr25/24			
Non-ferrous Meta	Σ	0ct6/23	Apr25/24			
Non-ferrous Meta	Σ	0 ct6/23	Api25/24			
Non-ferrous Meta	Σ	Dec29/23	Apr25/24			
Non-ferrous Meta	Σ	Dec29/23	Apr25/24			
Non-ferrous Meta	Σ	0ctb/23	Ap/25/24			
Non-ferrous Meta	Σ	0ctb/23	An25/24			
Non-ferrous Meta	Σ	0ctb/23	An25/24			
Non-ferrous Meta	Σ	Dec23/33	An25/24			
Non-ferrous Meta	Σ	Dec/23	An25/24			
Non-ferrous Meta	Is					
Non-ferrous Meta	Is					
Non-ferrous Meta	Is	0ct6/23	Apr25/24 Apr25/24			



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 GFL Environmental - 822 - Springfield Hauling Sample No. : GFL0118244 Received : 29 May 2024 2120 West Bennett Street Lab Number : 06193512 Tested : 30 May 2024 Springfield, MO Unique Number : 11050264 Diagnosed : 30 May 2024 - Wes Davis US 65807 Test Package : FLEET ( Additional Tests: PercentFuel ) Contact: Dennis Moore Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. dennis.moore@gflenv.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (417)403-3641 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Report Id: GFL822 [WUSCAR] 06193512 (Generated: 05/30/2024 13:38:49) Rev: 1

Submitted By: Dennis Moore

Dec29/23

Apr25/24

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