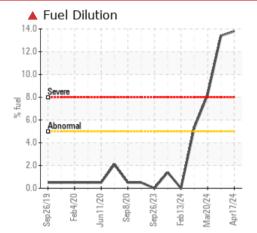


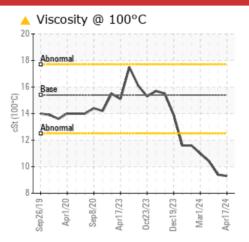
# **PROBLEM SUMMARY**

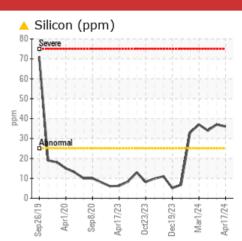
Area (83J3TW) 229035-632119

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

# COMPONENT CONDITION SUMMARY







FUEL

## 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	SEVERE	ABNORMAL			
Silicon	ppm	ASTM D5185m	>25	<u> </u>	<b>A</b> 37	<b>A</b> 34			
Fuel	%	ASTM D3524	>5	<b>1</b> 3.8	<b>1</b> 3.4	▲ 8.2			
Visc @ 100°C	cSt	ASTM D445	15.4	<u> </u>	<b>9</b> .4	<b>1</b> 0.4			

Sample Rating Trend

Customer Id: GFL836 Sample No.: GFL0118807 Lab Number: 06156723 Test Package: FLEET



To manage this report scan the QR code

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

*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.			
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

### 16 Apr 2024 Diag:

We advise that you check the fuel injection system. We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. We recommend that you drain the oil from the component if this has not already been done. We recommend you service the filters on this component. 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. There is a moderate concentration of dirt 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.





FUEL

#### 20 Mar 2024 Diag: Jonathan Hester

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 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 BN result indicates that there is suitable alkalinity remaining in the oil.





### 01 Mar 2024 Diag: Don Baldridge

We advise that you check the fuel injection system. Resample at the next service interval to monitor.All component wear rates are normal. There is a moderate amount of fuel present in the oil. Elemental level of silicon (Si) above normal. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.





# **OIL ANALYSIS REPORT**

Water

Glycol

Iron

Nickel

Silver

Lead

Tin

Boron

Zinc

Fuel

Oxidation

FLUID DEGRADATION

\*ASTM D7414

Abs/.1mm Base Number (BN) mg KOH/g ASTM D2896 9.8

>25

20.8

7.0

Sulfur

# (83J3TW) 229035-632119

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

### DIAGNOSIS

#### 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.

### Wear

All component wear rates are normal.

#### Contamination

There is a high amount of fuel present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material.

#### Fluid Condition

Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.



17.8

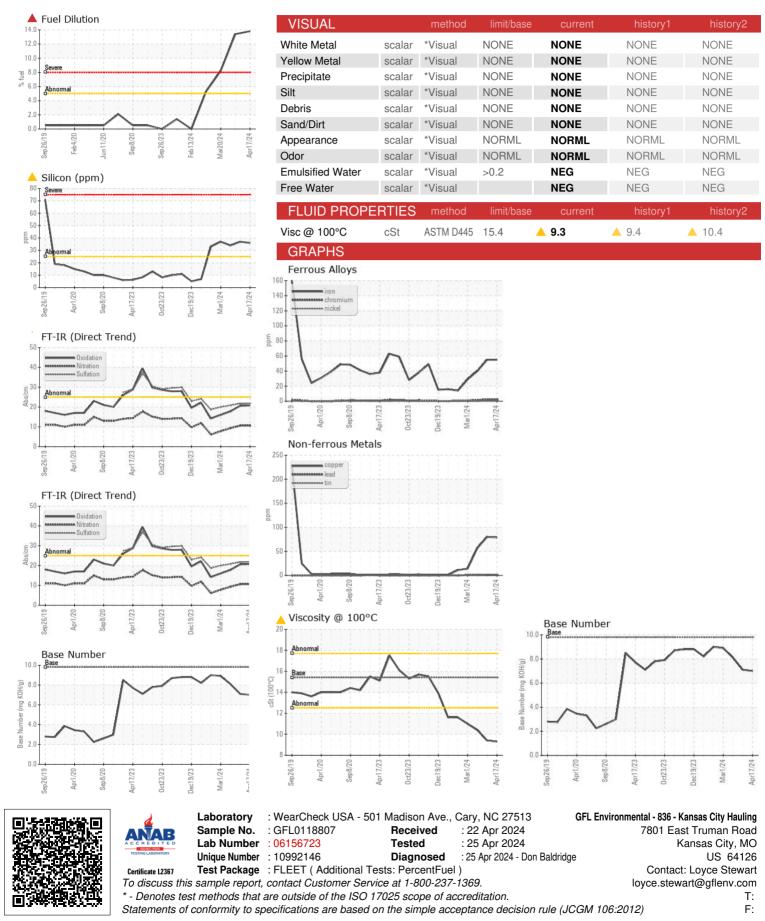
8.1

20.6

7.1



# **OIL ANALYSIS REPORT**



Submitted By: JEREMY BROWN