

# **PROBLEM SUMMARY**

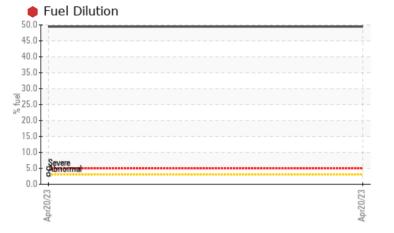
Sample Rating Trend
FUEL

### Compo Dies Fluid PETI

710012 Component Diesel Engine Fluid PETRO CANADA DURON SHP 15W40 (25 GAL)

## COMPONENT CONDITION SUMMARY

Machine Id



# Viscosity @ 100°C

### 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.

PROBLEMATIC TEST RESULTS								
Sample Status				SEVERE				
Fuel	%	ASTM D3524	>3.0	🛑 49.5				
Visc @ 100°C	cSt	ASTM D445	15.4	4.1				

### Customer Id: GFL418 Sample No.: GFL0069867 Lab Number: 05984424 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



# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id 710012 Fluid . ٢

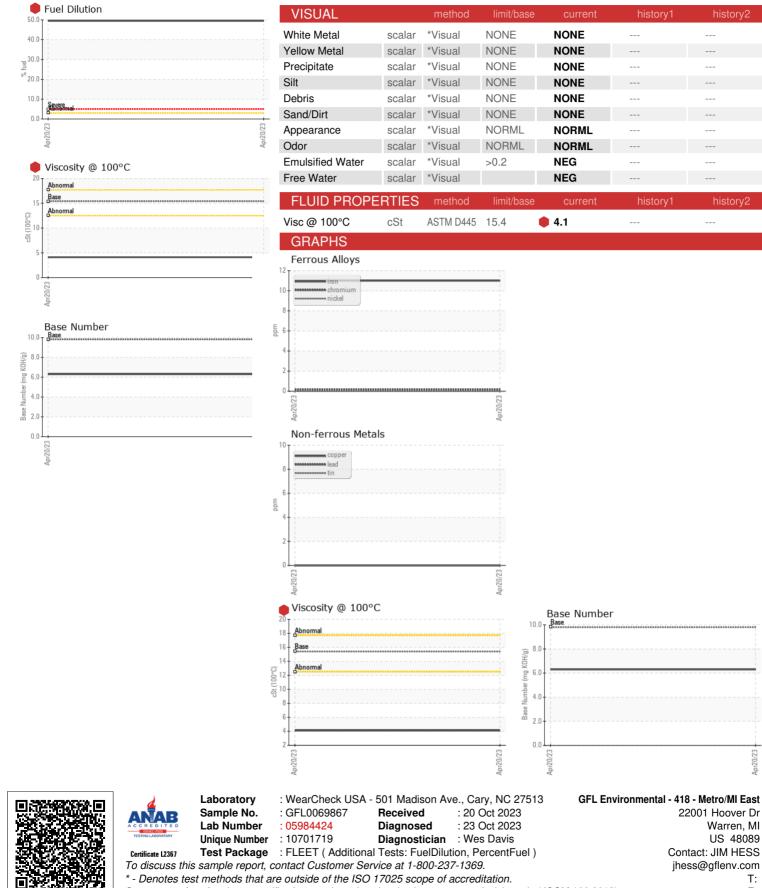
Component **Diesel Engine** 

### PETRO CANADA DURON SHP 15W40 (25 GAL)

DIAGNOSIS	SAMPLE INFOR	MATION	method	limit/base	e current	history1	history2
Recommendation	Sample Number		Client Info		GFL0069867		
le advise that you check the fuel injection system.	Sample Date		Client Info		20 Apr 2023		
he oil change at the time of sampling has been	Machine Age	hrs	Client Info		0		
oted. We recommend an early resample to nonitor this condition.	Oil Age	hrs	Client Info		0		
	Oil Changed		Client Info		Changed		
<b>/ear</b> Il component wear rates are normal.	Sample Status				SEVERE		
Contamination	CONTAMINAT	ION	method	limit/base	e current	history1	history2
here is a high amount of fuel present in the oil. ests confirm the presence of fuel in the oil.	Glycol		WC Method		NEG		
Fluid Condition	WEAR METAL	.S	method	limit/base	e current	history1	history2
he BN result indicates that there is suitable	Iron	ppm	ASTM D5185m	>120	11		
kalinity remaining in the oil. Fuel is present in the	Chromium	ppm	ASTM D5185m	>20	<1		
I and is lowering the viscosity. The oil is no longer	Nickel	ppm	ASTM D5185m	>5	0		
erviceable due to the presence of contaminants.	Titanium	ppm	ASTM D5185m	>2	0		
	Silver	ppm	ASTM D5185m	>2	0		
	Aluminum	ppm	ASTM D5185m	>20	4		
	Lead	ppm	ASTM D5185m	>40	0		
	Copper	ppm	ASTM D5185m	>330	0		
	Tin	ppm	ASTM D5185m	>15	0		
	Vanadium	ppm	ASTM D5185m		0		
	Cadmium	ppm	ASTM D5185m		0		
	ADDITIVES		method	limit/base	e current	history1	history2
	Boron	ppm	ASTM D5185m	0	1		
	Barium	ppm	ASTM D5185m	0	0		
	Molybdenum	ppm	ASTM D5185m	60	30		
	Manganese	ppm	ASTM D5185m	0	<1		
	Magnesium	ppm	ASTM D5185m	1010	503		
	Calcium	ppm	ASTM D5185m	1070	553		
	Phosphorus	ppm	ASTM D5185m	1150	573		
	Zinc	ppm	ASTM D5185m	1270	680		
	Sulfur	ppm	ASTM D5185m	2060	1629		
	CONTAMINAN	ITS	method	limit/base	e current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	4		
	Sodium	ppm	ASTM D5185m		4		
	Potassium	ppm	ASTM D5185m	>20	3		
	Fuel	%	ASTM D3524	>3.0	<b>•</b> 49.5		
	INFRA-RED		method	limit/base	e current	history1	history2
	Soot %	%	*ASTM D7844	>4	0.3		
	Nitration	Abs/cm	*ASTM D7624	>20	7.9		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	14.7		
	FLUID DEGRAI	DATION	method	limit/base	e current	history1	history2
	Oxidation	Abs/.1mm	*ASTM D7414	>25	9.7		



# **OIL ANALYSIS REPORT**



Warren, MI

US 48089

Т:

F:

----