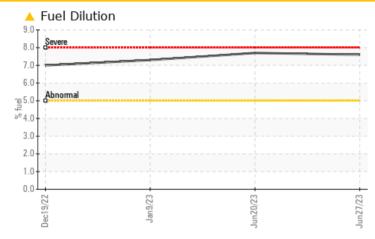
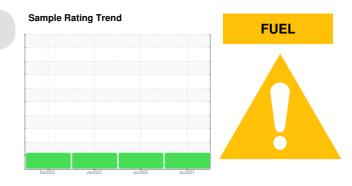


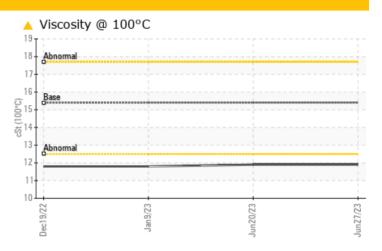
#### Area TALLASSEE Machine Id 421035

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

# COMPONENT CONDITION SUMMARY







#### RECOMMENDATION

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.

PROBLEMATIC TEST RESULTS								
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL		
Fuel	%	ASTM D3524	>5	<u> </u>	<b>A</b> 7.7	<b>7</b> .3		
Visc @ 100°C	cSt	ASTM D445	15.4	<b>A</b> 11.9	🔺 11.9	🔺 11.8		

Customer Id: GFL172 Sample No.: GFL0086004 Lab Number: 05888730 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	
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.	

# HISTORICAL DIAGNOSIS



## 20 Jun 2023 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.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.



view report

## 09 Jan 2023 Diag: Wes Davis



The oil change at the time of sampling has been noted. 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.

#### 19 Dec 2022 Diag: Doug Bogart



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

#### view report





# **OIL ANALYSIS REPORT**

#### Area **TALLASSEE** Machine Id **421035** Component

# Diesel Engine

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

# DIAGNOSIS

#### Recommendation

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

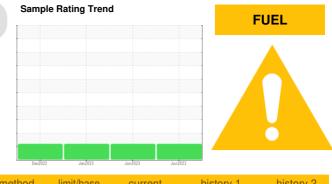
All component wear rates are normal.

### Contamination

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

#### Fluid Condition

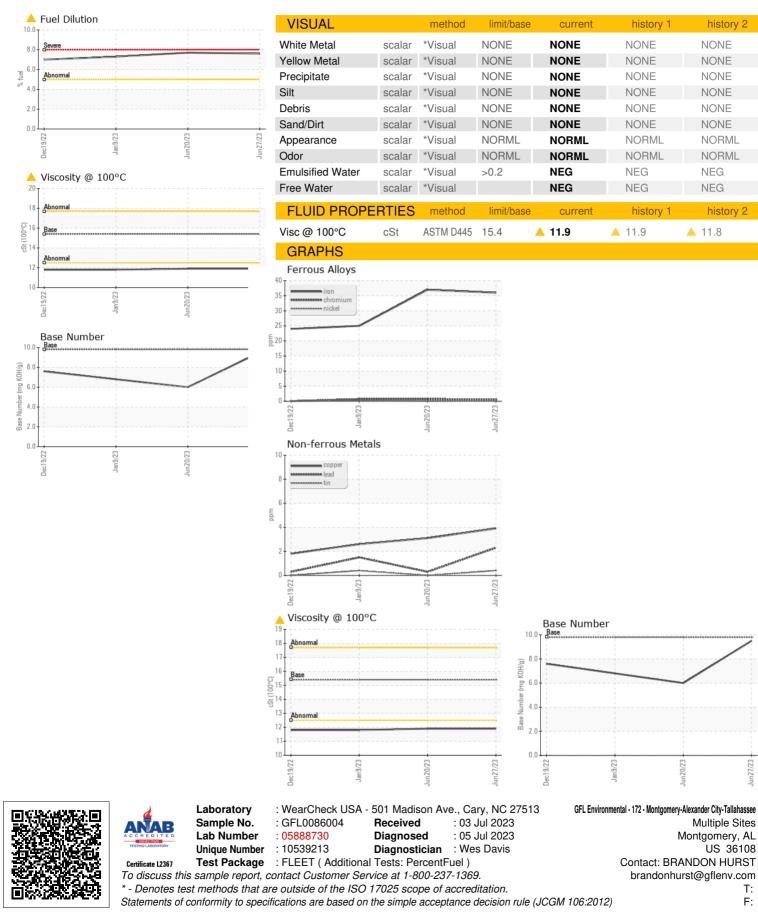
The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.



SAMPLE INFORM	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		GFL0086004	GFL0086005	GFL0046346
Sample Date		Client Info		27 Jun 2023	20 Jun 2023	09 Jan 2023
Machine Age	hrs	Client Info		12517	12537	12460
Oil Age	hrs	Client Info		12517	0	0
Oil Changed		Client Info		N/A	N/A	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history 1	history 2
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>80	36	37	25
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>2	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>30	2	0	<1
Lead	ppm	ASTM D5185m	>30	2	<1	2
Copper	ppm	ASTM D5185m	>150	4	3	3
Tin	ppm	ASTM D5185m	>5	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	0	43	42	50
Barium	ppm	ASTM D5185m	0	2	0	0
Molybdenum	ppm	ASTM D5185m	60	67	66	65
Manganese	ppm	ASTM D5185m	0	<1	<1	<1
Magnesium	ppm	ASTM D5185m	1010	667	782	748
Calcium	ppm	ASTM D5185m	1070	1232	1287	1317
Phosphorus	ppm	ASTM D5185m	1150	792	813	849
Zinc	ppm	ASTM D5185m	1270	965	1026	1046
Sulfur	ppm	ASTM D5185m	2060	2863	3349	3251
CONTAMINAN	TS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>20	5	5	5
Sodium	ppm	ASTM D5185m		0	4	3
Potassium	ppm	ASTM D5185m	>20	3	<1	<1
Fuel	%	ASTM D3524	>5	<mark>人</mark> 7.6	▲ 7.7	▲ 7.3
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844	>3	0.1	0.6	0.5
Nitration	Abs/cm	*ASTM D7624	>20	5.0	11.0	10.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.1	22.7	20.4
FLUID DEGRAD		method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.4	19.4	17.3
Base Number (BN)	mg KOH/g	ASTM D2896		9.5	6.0	6.8
()						



# **OIL ANALYSIS REPORT**



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F: