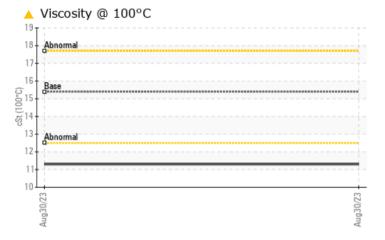


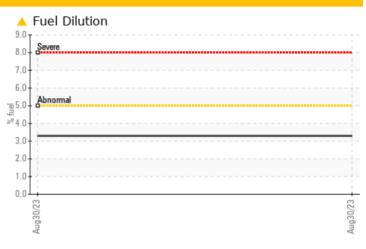
Sample Rating Trend FUEL

Machine Id **219012** Component **Diesel Engine**

PETRO CANADA DURON SHP 15W40 (3 GAL)

COMPONENT CONDITION SUMMARY





RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS	
Sample Status	ABNORMAL

Sample Status				ABNORMAL	
Fuel	%	ASTM D3524	>5	A 3.3	
Visc @ 100°C	cSt	ASTM D445	15.4	11.3	

Customer Id: GFL822 Sample No.: GFL0067098 Lab Number: 05955080 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> There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT



Machine Id 219012

Component Diesel Engine

Fluid

PETRO CANADA DURON SHP 15W40 (3 GAL)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Light fuel dilution occurring.

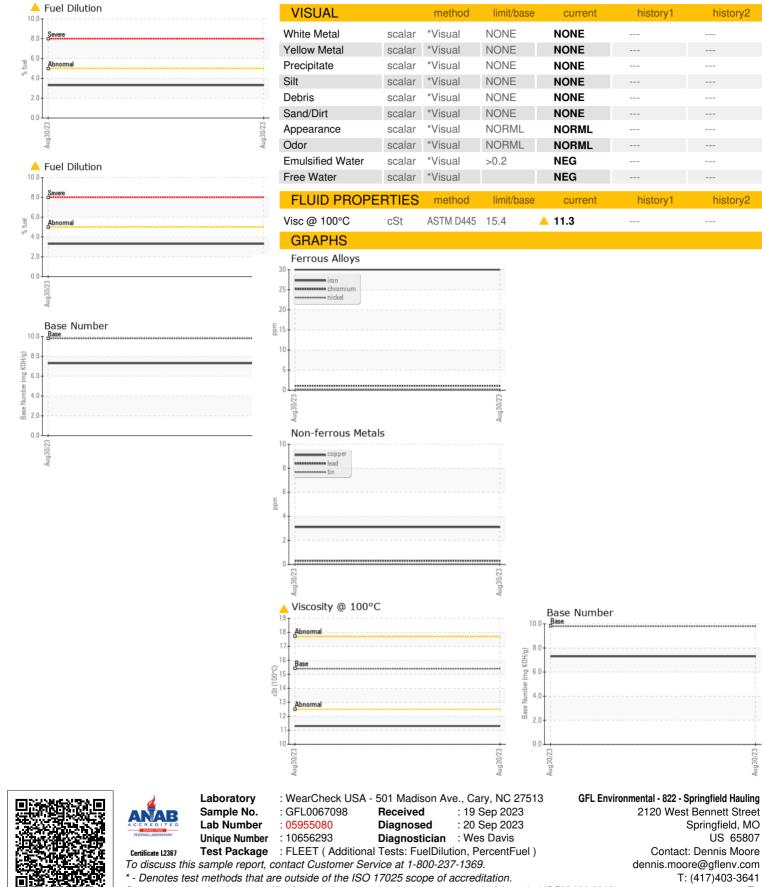
Fluid Condition

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 condition of the oil is suitable for further service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0067098		
Sample Date		Client Info		30 Aug 2023		
Machine Age	hrs	Client Info		1170		
Oil Age	hrs	Client Info		700		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINATI	ON	method	limit/base	current	history1	history2
Glycol		WC Method		NEG		
WEAR METALS	5	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	30		
Chromium	ppm	ASTM D5185m	>20	1		
Nickel	ppm	ASTM D5185m	>2	<1		
Titanium	ppm	ASTM D5185m	>2	<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>25	8		
Lead	ppm	ASTM D5185m	>40	<1		
Copper	ppm	ASTM D5185m	>330	3		
Tin	ppm	ASTM D5185m	>15	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	28		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	60	10		
Manganese	ppm	ASTM D5185m	0	<1		
Magnesium	ppm	ASTM D5185m	1010	758		
Calcium	ppm	ASTM D5185m	1070	1277		
Phosphorus	ppm	ASTM D5185m	1150	1065		
Zinc	ppm	ASTM D5185m	1270	1239		
Sulfur	ppm	ASTM D5185m	2060	4013		
CONTAMINAN	ΓS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	13		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	3		
Fuel	%	ASTM D3524	>5	A 3.3		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4		
Nitration	Abs/cm	*ASTM D7624	>20	10.4		
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.4		
	ATION	method	limit/base	current	history1	history2
FLUID DEGRAD						
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.8		



OIL ANALYSIS REPORT



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

Submitted By: Dennis Moore

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US 65807

F:

history2

history2