

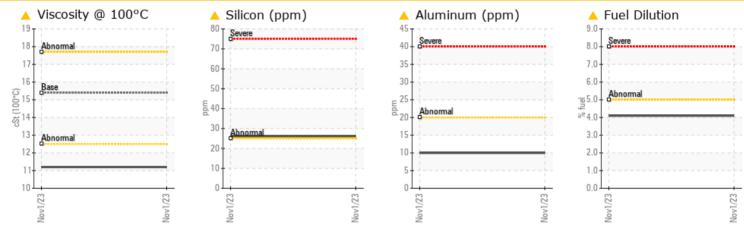


Machine Id **Oe1870**

Component 1 Diesel Engine

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

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL				
Aluminum	ppm	ASTM D5185m	>20	<u> </u>				
Silicon	ppm	ASTM D5185m	>25	A 26				
Fuel	%	ASTM D3524	>5	4.1				
Visc @ 100°C	cSt	ASTM D445	15.4	🔺 11.2				

Customer Id: GFL411 Sample No.: GFL0092858 Lab Number: 05999760 Test Package: FLEET



To manage this report scan the QR code

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

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.		
Check Dirt Access			?	We advise that you check the air filter, air induction system, and any areas where dirt may enter the component.		
Check Fuel/injector System			?	We advise that you check the fuel injection system.		

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT



Machine Id

Oe1870

Component **1 Diesel Engine** Fluid PETRO CANADA DURON SHP 15W40 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. We advise that you check the fuel injection system. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

A Wear

All component wear rates are normal.

Contamination

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. Light fuel dilution occurring.

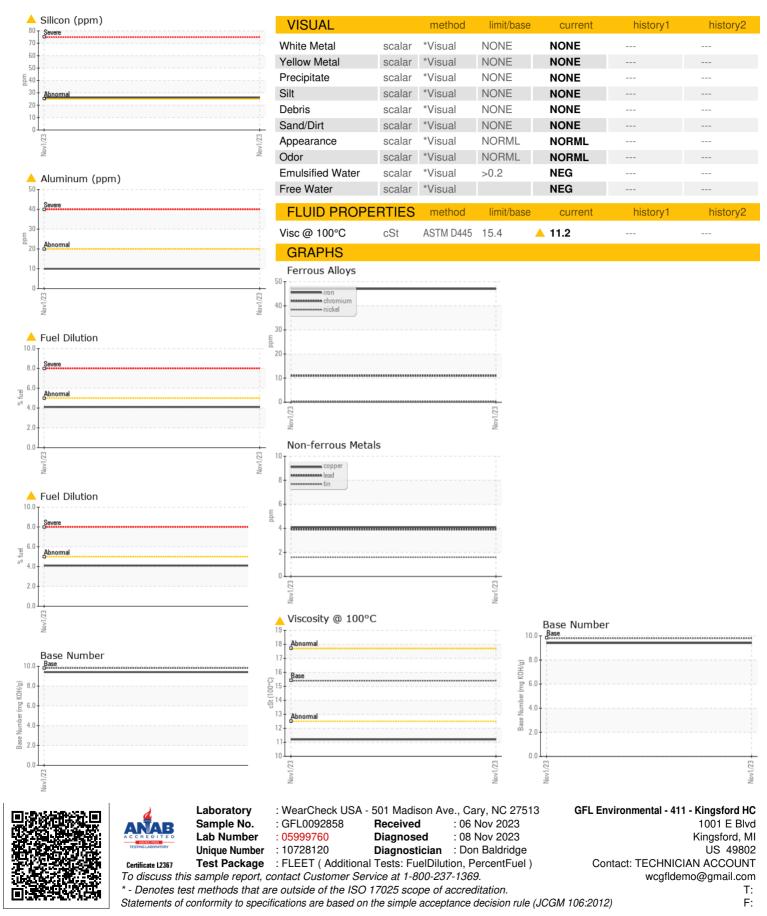
Fluid Condition

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

AL)				Vov2023		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0092858		
Sample Date		Client Info		01 Nov 2023		
Machine Age	hrs	Client Info		1953		
Oil Age	hrs	Client Info		400		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINATIO	ON	method	limit/base	current	history1	history2
Glycol		WC Method		NEG		
WEAR METALS	6	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	47		
Chromium	ppm	ASTM D5185m	>20	11		
Nickel	ppm	ASTM D5185m	>4	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	<u> </u>		
_ead	ppm	ASTM D5185m	>40	4		
Copper	ppm	ASTM D5185m	>330	4		
Tin	ppm	ASTM D5185m	>15	2		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	48		
Barium	ppm	ASTM D5185m	0	5		
Volybdenum	ppm	ASTM D5185m	60	12		
Vanganese	ppm	ASTM D5185m	0	1		
Vagnesium	ppm	ASTM D5185m	1010	18		
Calcium	ppm	ASTM D5185m	1070	2302		
Phosphorus	ppm	ASTM D5185m	1150	1074		
Zinc	ppm	ASTM D5185m	1270	1180		
Sulfur	ppm	ASTM D5185m	2060	4069		
CONTAMINANT	ſS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<u> </u>		
Sodium	ppm	ASTM D5185m		6		
Potassium	ppm	ASTM D5185m	>20	12		
Fuel	%	ASTM D3524	>5	<mark>人</mark> 4.1		
INFRA-RED		method	limit/base	current	history1	history2
D = = t 0/	%	*ASTM D7844	>3	0.3		
5001 %			>20	6.6		
	Abs/cm	"ASTM D7624				
Nitration	Abs/cm Abs/.1mm	*ASTM D7624 *ASTM D7415	>30	18.7		
Nitration	Abs/.1mm	*ASTM D7415			 history1	 history2
Soot % Nitration Sulfation FLUID DEGRAD Oxidation	Abs/.1mm	*ASTM D7415	>30	18.7		



OIL ANALYSIS REPORT



Submitted By: TECHNICIAN ACCOUNT