



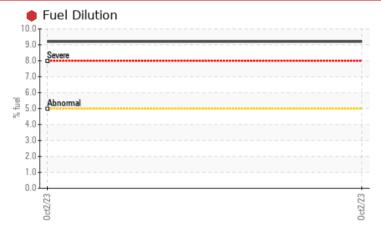
FUEL



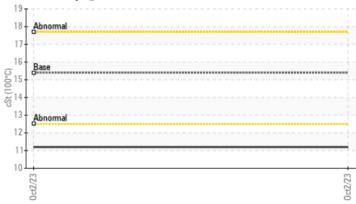
Machine Id 727131

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

COMPONENT CONDITION SUMMARY



🔺 Viscosity @ 100°C



RECOMMENDATION

We advise that you check the fuel injection system. 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				SEVERE					
Fuel	%	ASTM D3524	>5	9.2					
Visc @ 100°C	cSt	ASTM D445	15.4	11.2					

Customer Id: GFL958 Sample No.: GFL0085293 Lab Number: 05978732 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

RECOMMENDE	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.		
Check Fuel/injector System			?	We advise that you check the fuel injection system.		

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 727131

Component

Diesel Engine

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

DIAGNOSIS

Recommendation

We advise that you check the fuel injection system. 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 high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

Fluid Condition

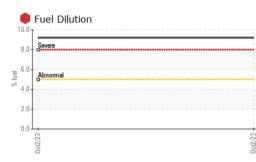
The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

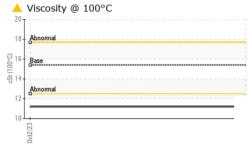
··=)				0ct2023		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0085293		
Sample Date		Client Info		02 Oct 2023		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		488		
Oil Changed		Client Info		N/A		
Sample Status				SEVERE		
CONTAMINATIO	NC	method	limit/base	current	history1	history2
Glycol		WC Method		NEG		
WEAR METALS	\$	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	11		
Chromium	ppm	ASTM D5185m	>20	1		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	3		
Lead	ppm	ASTM D5185m	>40	<1		
Copper	ppm	ASTM D5185m	>330	2		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	5		
Barium	ppm	ASTM D5185m	0	12		
Molybdenum	ppm	ASTM D5185m	60	52		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	1010	845		
Calcium	ppm	ASTM D5185m	1070	929		
Phosphorus	ppm	ASTM D5185m	1150	914		
Zinc	ppm	ASTM D5185m	1270	1093		
Sulfur	ppm	ASTM D5185m	2060	2787		
CONTAMINANT	ſS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	7		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	5		
Fuel	%	ASTM D3524	>5	9.2		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1		
Nitration	Abs/cm	*ASTM D7624	>20	8.7		
Cultation	Abs/.1mm	*ASTM D7415	>30	20.7		
Sulfation						
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
	ATION Abs/.1mm	method *ASTM D7414		current 20.9	history1	history2

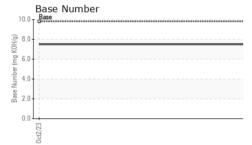


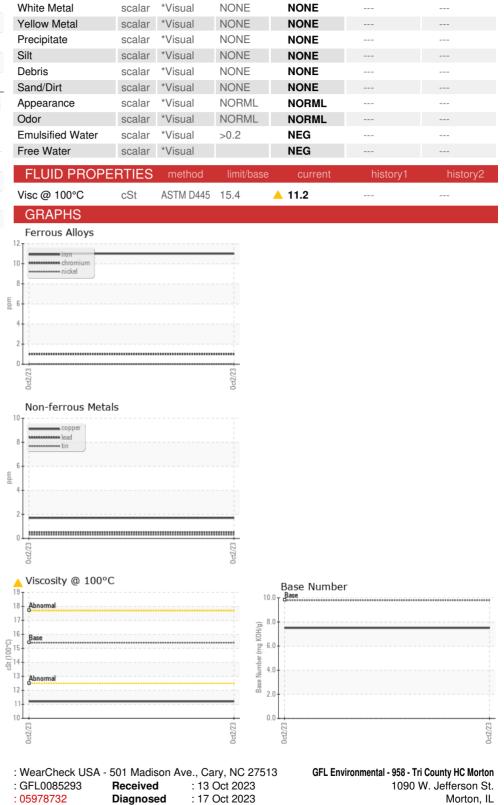
OIL ANALYSIS REPORT

VISUAL











 Certificate 12367
 Test Package
 : FLEET (Additional Tests: FuelDilution, PercentFuel)

 To discuss this sample report, contact Customer Service at 1-800-237-1369.
 *

 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

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

Diagnostician : Wes Davis

Report Id: GFL958 [WUSCAR] 05978732 (Generated: 10/28/2023 19:35:09) Rev: 1

Laboratory

Sample No.

Lab Number

Unique Number

: 10696027

Submitted By: Also GFL958,958A, 958B - Bryan Link

US 61550

T:

F:

Contact: Bryan Link

blink@gflenv.com