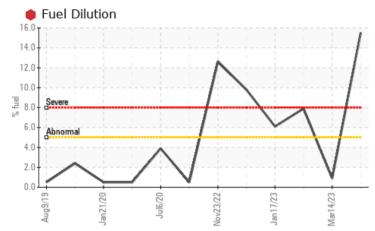


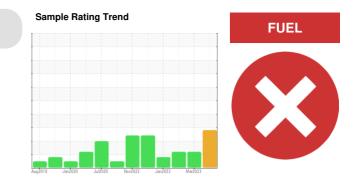
Area GFL837 Machine Id 722023-310031 Component

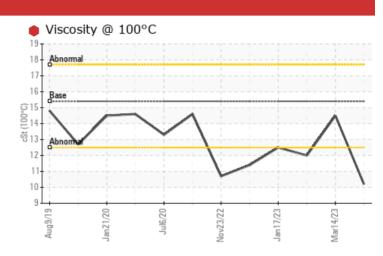
JEAD

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

COMPONENT CONDITION SUMMARY







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	ABNORMAL	ABNORMAL		
Fuel	%	ASTM D3524	>5	🛑 15.5	0.9	7 .9		
Visc @ 100°C	cSt	ASTM D445	15.4	e 10.2	14.5	12.0		

Customer Id: GFL836 Sample No.: GFL0093725 Lab Number: 05975386 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	DACTIONS			
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



14 Mar 2023 Diag: Jonathan Hester

We advise that you check for possible coolant leak. Check for low coolant level. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.All component wear rates are normal. Sodium and/or potassium levels are high. Fuel content negligible. The BN result indicates that there is suitable alkalinity remaining in the oil.



view report

09 Feb 2023 Diag: Don Baldridge

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.



17 Jan 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. 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.





OIL ANALYSIS REPORT

Area GFL837 722023-310031

Component **Diesel Engine** Fluic 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

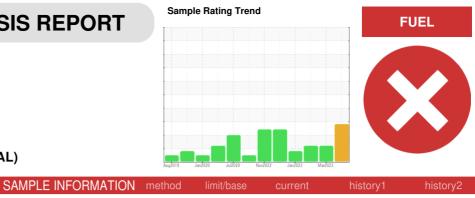
All component wear rates are normal.

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.

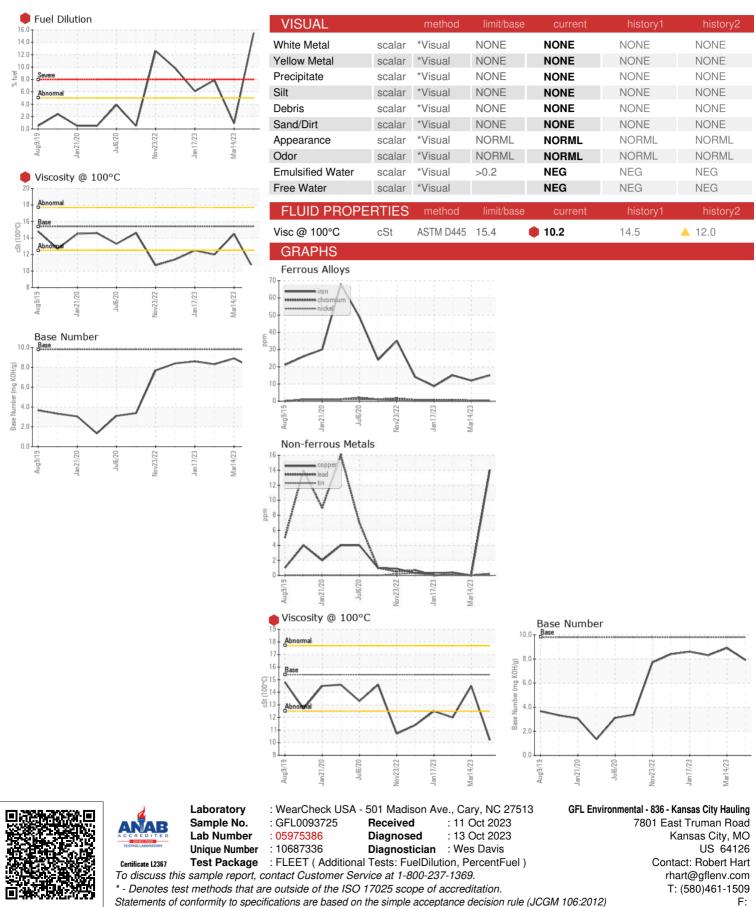


CONTAMINATION method limit/base current history1 history2 Glycol WC Method NEG NEG NEG WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m<>110 15 12 15 Chromium ppm ASTM D5185m<>2 0 0 0 Cikel ppm ASTM D5185m<>2 0 0 0 Silver ppm ASTM D5185m<>2 0 0 0 Aluminum ppm ASTM D5185m<>25 2 2 <1 Lead ppm ASTM D5185m<>25 14 0 <1 Copper ppm ASTM D5185m >4 0 <1 Vanadium ppm ASTM D5185m >4 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Maganese ppm ASTM D5185m 0 0 <t< th=""><th>Sample Number Sample Date Machine Age Oil Age Oil Changed Sample Status</th><th>hrs hrs</th><th>Client Info Client Info Client Info Client Info Client Info</th><th></th><th>GFL0093725 05 Oct 2023 21796 0 Not Changd SEVERE</th><th>GFL0062973 14 Mar 2023 21485 0 Changed ABNORMAL</th><th>GFL0070274 09 Feb 2023 21378 300 Not Changd ABNORMAL</th></t<>	Sample Number Sample Date Machine Age Oil Age Oil Changed Sample Status	hrs hrs	Client Info Client Info Client Info Client Info Client Info		GFL0093725 05 Oct 2023 21796 0 Not Changd SEVERE	GFL0062973 14 Mar 2023 21485 0 Changed ABNORMAL	GFL0070274 09 Feb 2023 21378 300 Not Changd ABNORMAL
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Potassium ppm ASTM D5185m >20 2 1 2	Sodium		ASTM D5185m		9	1 01	8
	Potassium		ASTM D5185m	>20	2	1	2
	Fuel		ASTM D3524	>5	• 15.5	0.9	▲ 7.9

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.8	0.4
Nitration	Abs/cm	*ASTM D7624	>20	8.4	7.1	9.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.9	19.0	19.4
FLUID DEGRADATION method			limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.6	13.9	17.0
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.9	8.9	8.3



OIL ANALYSIS REPORT



Contact/Location: See also GFL823, 834, 837, 840 - Robert Hart - GFL836