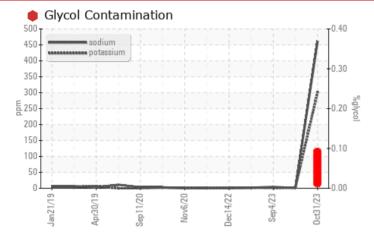


COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you check for the source of the coolant leak. Check for low coolant level. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS								
Sample Status				SEVERE	ATTENTION	ATTENTION		
Sodium	ppm	ASTM D5185m		<u> </u>	<1	4		
Potassium	ppm	ASTM D5185m	>20	A 301	2	<1		
Glycol	%	*ASTM D2982		0.10	NEG	NEG		

Customer Id: GFL821 Sample No.: GFL0090278 Lab Number: 05997664 Test Package: FLEET



To manage this report scan the QR code

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

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 and perform a filter service on this component if not already done.			
Change Filter			?	We recommend that you drain the oil and perform a filter service on this component if not already done.			
Resample			?	We recommend an early resample to monitor this condition.			
Check Glycol Access			?	We advise that you check for the source of the coolant leak.			

HISTORICAL DIAGNOSIS



13 Oct 2023 Diag: Don Baldridge

No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.





04 Sep 2023 Diag: Jonathan Hester

No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



NORMAL



29 Dec 2022 Diag: Wes Davis

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Sample Rating Trend

GLYCOL



Machine Id 428052-402362

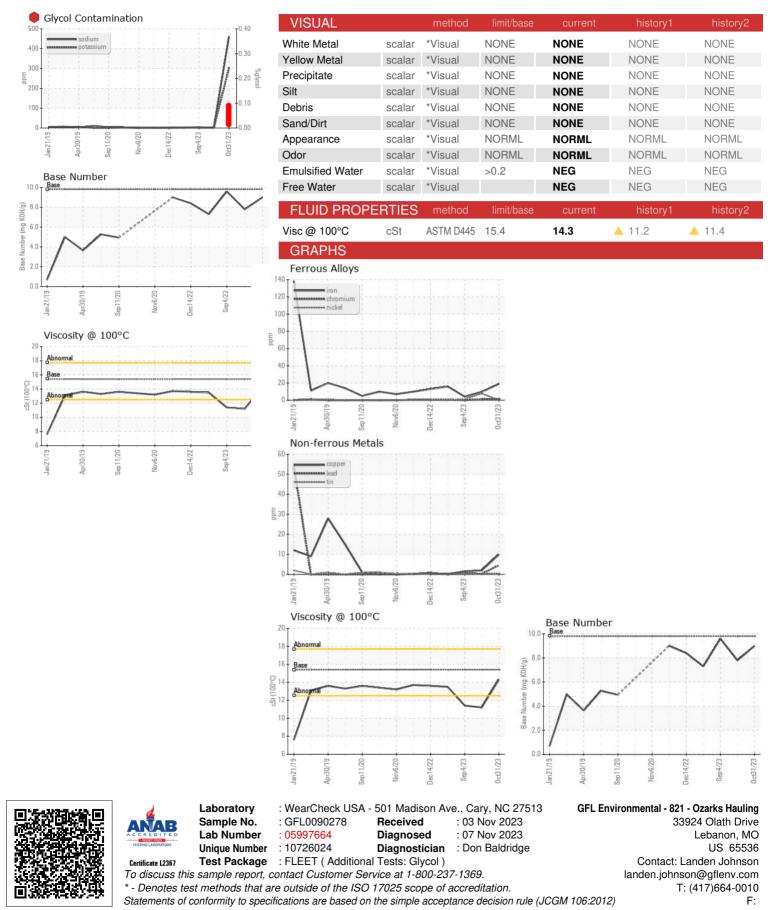
Diesel Engine Fluid

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

DIAGNOSIS	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		GFL0090278	GFL0090190	GFL009022
Ve advise that you check for the source of the	Sample Date		Client Info		31 Oct 2023	13 Oct 2023	04 Sep 2023
coolant leak. Check for low coolant level. We ecommend that you drain the oil and perform a ilter service on this component if not already dom	Machine Age	hrs	Client Info		13603	12968	12726
	Oil Age	hrs	Client Info		150	150	150
'e recommend an early resample to monitor this	Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
ondition.	Sample Status				SEVERE	ATTENTION	ATTENTION
/ear	CONTAMINAT	ION	method	limit/base	current	history1	history2
component wear rates are normal.	Fuel		WC Method	>3.0	<1.0	<1.0	0.3
Contamination odium and/or potassium levels are high. Test for	WEAR METAL	S	method	limit/base		history1	history2
ycol is positive.	Iron	ppm	ASTM D5185m	>120	19	10	4
Fluid Condition	Chromium	ppm	ASTM D5185m	>20	1	1	0
he BN result indicates that there is suitable	Nickel	ppm	ASTM D5185m		<1	8	1
kalinity remaining in the oil. The oil is no longer erviceable due to the presence of contaminants.	Titanium	ppm	ASTM D5185m	>2	0	<1	0
	Silver	ppm	ASTM D5185m	>2	<1	<1	0
	Aluminum	ppm	ASTM D5185m	>20	1	3	8
	Lead	ppm	ASTM D5185m	>40	4	<1	<1
	Copper	ppm	ASTM D5185m	>330	10	2	2
	Tin	ppm	ASTM D5185m	>15	<1	<1	0
	Vanadium	ppm	ASTM D5185m		0	0	0
	Cadmium	ppm	ASTM D5185m		<1	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m	0	6	5	7
	Barium	ppm	ASTM D5185m	0	5	0	0
	Molybdenum	ppm	ASTM D5185m	60	117	57	60
	Manganese	ppm	ASTM D5185m	0	<1	0	<1
	Magnesium	ppm	ASTM D5185m		794	833	994
	Calcium	ppm	ASTM D5185m	1070	925	956	1075
	Phosphorus	ppm	ASTM D5185m		890	993	1045
	Zinc	ppm	ASTM D5185m		1110	1070	1326
	Sulfur	ppm	ASTM D5185m		3063	2521	3432
	CONTAMINAN	ITS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>25	5	8	6
	Sodium	ppm	ASTM D5185m		<u> </u>	<1	4
	Potassium	ppm	ASTM D5185m	>20	A 301	2	<1
	Glycol	%	*ASTM D2982		0.10	NEG	NEG
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	*ASTM D7844	>4	0.1	0.2	0.1
	Nitration				5.0	6.8	4.9
			*ASTM D7415		17.6	18.3	17.5
	Sulfation	Abs/.1mm					
	Sulfation FLUID DEGRA			limit/base	current	history1	history2
		DATION			current 13.2	history1 14.3	history2 13.6



OIL ANALYSIS REPORT



Submitted By: GFL821, GFL824 and GFL829 - Landen Johnson