

### Sample Rating Trend

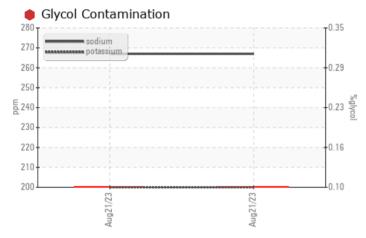




# Machine Id **428092**

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

# COMPONENT CONDITION SUMMARY



# RECOMMENDATION

We advise that you check for the source of the coolant leak. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS								
Sample Status				SEVERE				
Sodium	ppm	ASTM D5185m		🔺 267				
Potassium	ppm	ASTM D5185m	>20	<u> </u>				
Glycol	%	*ASTM D2982		0.10				

Customer Id: GFL411 Sample No.: GFL0085635 Lab Number: 05936546 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

RECOMMENDED	ECOMMENDED ACTIONS					
Action	Status	Date	Done By	Description		
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



# **OIL ANALYSIS REPORT**

Sample Rating Trend

GLYCOL

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#### Machine Id 428092

Component

Diesel Engine

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

# DIAGNOSIS

#### Recommendation

We advise that you check for the source of the coolant leak. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

## Wear

All component wear rates are normal.

### Contamination

Test for glycol is positive. There is a high concentration of glycol present in the oil.

#### Fluid Condition

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.

AL)				Aug2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0085635		
Sample Date		Client Info		21 Aug 2023		
Machine Age	hrs	Client Info		5273		
Oil Age	hrs	Client Info		150		
Oil Changed		Client Info		Changed		
Sample Status				SEVERE		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
WEAR METAL	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	6		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>2	<1		
Titanium	ppm	ASTM D5185m	>2	<1		
Silver	ppm	ASTM D5185m	>2	<1		
Aluminum	ppm		>25	1		
_ead	ppm	ASTM D5185m	>40	8		
Copper	ppm		>330	36		
Гin ́	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	46		
Barium	ppm	ASTM D5185m	0	3		
Molybdenum	ppm	ASTM D5185m	60	73		
Manganese	ppm	ASTM D5185m	0	<1		
Magnesium	ppm	ASTM D5185m	1010	792		
Calcium	ppm	ASTM D5185m	1070	1265		
Phosphorus	ppm	ASTM D5185m	1150	1080		
	ppm	ASTM D5185m	1270	1131		
Sulfur	ppm	ASTM D5185m	2060	3197		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	12		
Sodium	ppm	ASTM D5185m		<u> </u>		
Potassium	ppm	ASTM D5185m	>20	<u> </u>		
Glycol	%	*ASTM D2982		0.10		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1		
Nitration	Abs/cm	*ASTM D7624	>20	6.3		
INITIATION			>30	18.3		
	Abs/.1mm	*ASTM D7415	>00	10.5		
			limit/base	current	history1	history2
Sulfation			limit/base			



# **OIL ANALYSIS REPORT**



Submitted By: TECHNICIAN ACCOUNT