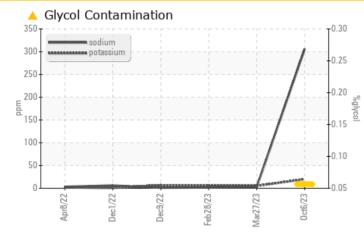
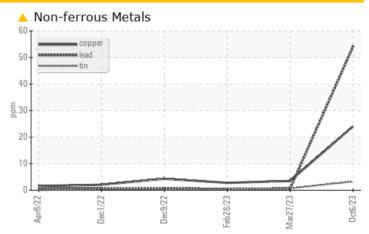


COMPONENT CONDITION SUMMARY





RECOMMENDATION

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

PROBLEMATIC TEST RESULTS							
Sample Status				ABNORMAL	NORMAL	NORMAL	
Lead	ppm	ASTM D5185m	>40	<u> </u>	<1	<1	
Sodium	ppm	ASTM D5185m		A 306	2	2	
Potassium	ppm	ASTM D5185m	>20	<u> </u>	5	5	
Glycol	%	*ASTM D2982		0.06	NEG	NEG	

Customer Id: GFL829 Sample No.: GFL0065504 Lab Number: 05973844 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			?	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.	
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



27 Mar 2023 Diag: Wes Davis

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



view report



28 Feb 2023 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.

09 Dec 2022 Diag: Wes Davis

NORMAL



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 722017-305158

Component **Diesel Engine** Fluid

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

DIAGNOSIS	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		GFL0065504	GFL0051292	GFL0065548
We advise that you check for the source of the	Sample Date		Client Info		06 Oct 2023	27 Mar 2023	28 Feb 2023
coolant leak. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.	Machine Age	hrs	Client Info		21585	0	0
	Oil Age	hrs	Client Info		600	0	0
	Oil Changed		Client Info		Changed	Not Changd	Not Changd
wear The lead level is abnormal. All other component	Sample Status				ABNORMAL	NORMAL	NORMAL
rife lead level is abiomal. All other component wear rates are normal.	CONTAMINAT	ION	method	limit/base	current	history1	history2
Contamination Sodium and/or potassium levels are high. Test for	Fuel	-	WC Method		<1.0	<1.0	<1.0
glycol is positive.	WEAR METAL	S	method	limit/base	current	history1	history2
Fluid Condition	Iron	ppm	ASTM D5185m	>120	47	32	25
The BN result indicates that there is suitable	Chromium	ppm	ASTM D5185m	>20	<1	1	1
alkalinity remaining in the oil. The oil is no longer	Nickel	ppm	ASTM D5185m	>5	<1	<1	<1
serviceable due to the presence of contaminants.	Titanium	ppm	ASTM D5185m	>2	0	<1	<1
	Silver	ppm	ASTM D5185m	>2	0	0	<1
	Aluminum	ppm	ASTM D5185m	>20	0	9	11
	Lead	ppm	ASTM D5185m	>40	<u> </u>	<1	<1
	Copper	ppm	ASTM D5185m	>330	24	4	3
	Tin	ppm	ASTM D5185m	>15	3	<1	<1
	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	0	3	5
	Barium	ppm	ASTM D5185m	0	<1	0	2
	Molybdenum	ppm	ASTM D5185m	60	86	56	58
	Manganese	ppm	ASTM D5185m	0	<1	<1	<1
	Magnesium	ppm	ASTM D5185m	1010	942	841	910
	Calcium	ppm	ASTM D5185m	1070	1074	992	1078
	Phosphorus	ppm	ASTM D5185m	1150	1046	947	1023
	Zinc	ppm	ASTM D5185m	1270	1265	1126	1222
	Sulfur	ppm	ASTM D5185m	2060	3244	2502	3152
	CONTAMINAN	ITS	method	limit/base	current	history1	
	CONTAMINAN Silicon	ppm	method ASTM D5185m		current 6	history1 12	history2 13
	Silicon Sodium Potassium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>25	6	12 2 5	13 2 5
	Silicon Sodium	ppm ppm	ASTM D5185m ASTM D5185m	>25	6 ▲ 306	12 2	13 2
	Silicon Sodium Potassium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>25	6 ▲ 306 ▲ 20 ▲ 0.06	12 2 5	13 2 5 NEG
	Silicon Sodium Potassium Glycol	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m *ASTM D2982	>25 >20 limit/base	6 ▲ 306 ▲ 20 ▲ 0.06	12 2 5 NEG	13 2 5 NEG
	Silicon Sodium Potassium Glycol INFRA-RED	ppm ppm ppm %	ASTM D5185m ASTM D5185m ASTM D5185m *ASTM D2982 method	>25 >20 limit/base >4	6 ▲ 306 ▲ 20 ▲ 0.06 current	12 2 5 NEG history1	13 2 5 NEG history2
	Silicon Sodium Potassium Glycol INFRA-RED Soot %	ppm ppm %	ASTM D5185m ASTM D5185m ASTM D5185m *ASTM D2982 method *ASTM D7844	>25 >20 limit/base >4 >20	6 ▲ 306 ▲ 20 ▲ 0.06 Current 2	12 2 5 NEG history1 0.8	13 2 5 NEG history2 0.5
	Silicon Sodium Potassium Glycol INFRA-RED Soot % Nitration	ppm ppm % % Abs/cm Abs/.1mm	ASTM D5185m ASTM D5185m *ASTM D2982 method *ASTM D7844 *ASTM D7624 *ASTM D7415	>25 >20 limit/base >4 >20	6 ▲ 306 ▲ 20 ▲ 0.06 Current 2 8.1 20.7	12 2 5 NEG history1 0.8 7.6	13 2 5 NEG history2 0.5 6.5 18.6
	Silicon Sodium Potassium Glycol INFRA-RED Soot % Nitration Sulfation	ppm ppm % % Abs/cm Abs/.1mm	ASTM D5185m ASTM D5185m *ASTM D2982 method *ASTM D7844 *ASTM D7624 *ASTM D7415	>25 >20 limit/base >4 >20 >30 limit/base	6 ▲ 306 ▲ 20 ▲ 0.06 Current 2 8.1 20.7	12 2 5 NEG history1 0.8 7.6 17.5	2 5 NEG history2 0.5 6.5



OIL ANALYSIS REPORT

