

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC	C TEST	RESULT	S			
Sample Status				ATTENTION	SEVERE	SEVERE
Sodium	ppm	ASTM D5185m		<mark>/</mark> 98	A 312	<u> </u>

Customer Id: GFL166 Sample No.: GFL0087850 Lab Number: 05890012 Test Package: FLEET



To manage this report scan the QR code

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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.			

HISTORICAL DIAGNOSIS



19 Jun 2023 Diag: Jonathan Hester

We advise that you check for the source of the coolant leak. Check for low coolant level. Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Bearing and/or bushing wear is indicated. Sodium and/or potassium levels remain high. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



16 Jun 2023 Diag: Jonathan Hester



We advise that you check for the source of the coolant leak. Check for low coolant level. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Bearing and/or bushing wear is indicated. Sodium and/or potassium levels are high. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

31 May 2023 Diag: Don Baldridge





No corrective action is recommended at this time. We recommend an early resample to monitor this condition. The lead level is abnormal. All other component wear rates are normal. Sodium and/or potassium levels are high. Test for glycol is negative. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.



view report







OIL ANALYSIS REPORT

Sample Rating Trend

GLYCOL



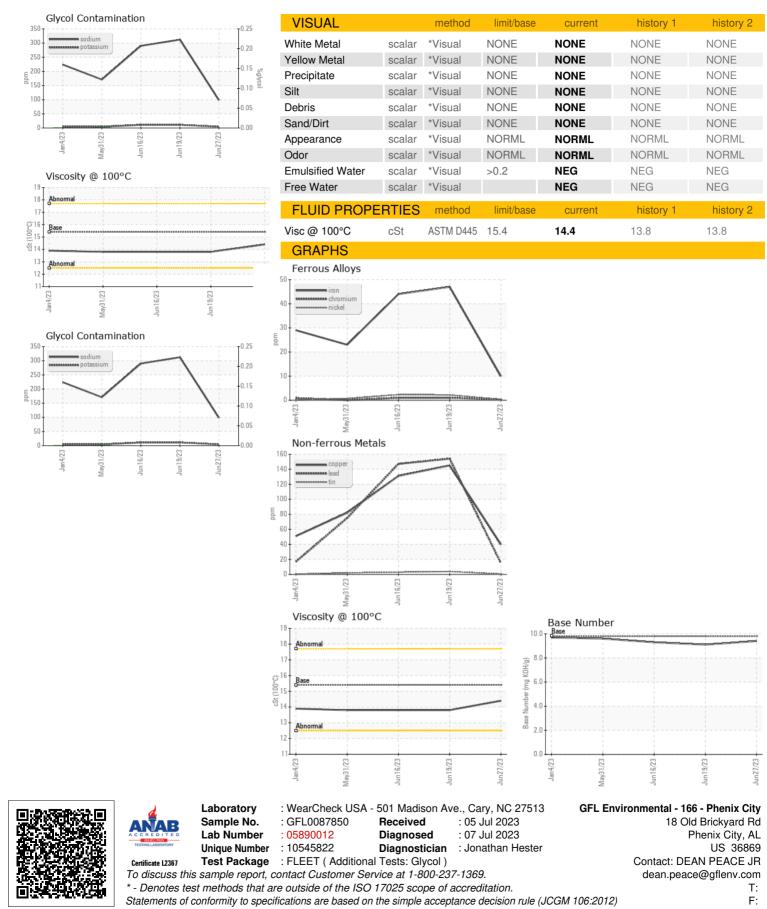
426100-47 Component **Diesel Engine** Fluid

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

IAGNOSIS	SAMPLE INFOR	MATION	method	limit/base	current	history 1	history 2
Recommendation	Sample Number		Client Info		GFL0087850	GFL0087809	GFL0081155
and filter change at the time of sampling has	Sample Date		Client Info		27 Jun 2023	19 Jun 2023	16 Jun 2023
been noted. Resample at the next service interval to monitor.	Machine Age	hrs	Client Info		36436	36436	36436
	Oil Age	hrs	Client Info		600	1200	600
ar	Oil Changed		Client Info		Changed	Changed	Not Changd
component wear rates are normal.	Sample Status				ATTENTION	SEVERE	SEVERE
ntamination dium and/or potassium levels remain elevated.	CONTAMINAT	ION	method	limit/base	current	history 1	history 2
st for glycol is negative.	Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Fluid Condition	WEAR METAL	S	method	limit/base	current	history 1	history 2
BN result indicates that there is suitable alinity remaining in the oil. The condition of the	Iron	ppm	ASTM D5185m	>120	10	47	44
is acceptable for the time in service.	Chromium	ppm	ASTM D5185m		<1	1	1
	Nickel	ppm	ASTM D5185m		<1	2	2
	Titanium	ppm	ASTM D5185m		0	<1	<1
	Silver	ppm	ASTM D5185m		0	<1	<1
	Aluminum	ppm	ASTM D5185m		<1	2	2
	Lead	ppm	ASTM D5185m		15	1 54	1 47
	Copper	ppm	ASTM D5185m		40	145	131
	Tin	ppm	ASTM D5185m		-1 <1	4	3
	Vanadium	ppm	ASTM D5185m		0	0	0
	Cadmium	ppm	ASTM D5185m		0	<1	<1
	ADDITIVES	I- I-	method	limit/base	current	history 1	history 2
	Boron	ppm	ASTM D5185m		13	49	57
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		66	81	80
	Manganese	ppm	ASTM D5185m		<1	1	1
	-		ASTM D5185m		1028	675	676
	Magnesium Calcium	ppm	ASTM D5185m			1238	1227
		ppm			1128		
	Phosphorus	ppm	ASTM D5185m		1134	1063	1066
	Zinc Sulfur	ppm ppm	ASTM D5185m ASTM D5185m		1413 4225	1343 3961	1335 3992
	CONTAMINAN		method	limit/base	current	history 1	history 2
	Silicon	ppm	ASTM D5185m		4	14	14
	Sodium	ppm	ASTM D5185m		<u> </u>	A 312	2 90
	Potassium	ppm	ASTM D5185m	>20	4	11	11
	Glycol	%	*ASTM D2982		NEG	NEG	NEG
	INFRA-RED		method	limit/base	current	history 1	history 2
	Soot %	%	*ASTM D7844		0.5	1.9	1.8
	Nitration		*ASTM D7624		5.3	8.7	8.5
	Sulfation	Abs/.1mm	*ASTM D7024		18.9	23.4	23.1
	FLUID DEGRA			limit/base		history 1	history 2
					Contone		otory L
	Oxidation		*ASTM D7414	. 25	14.5	14.7	14.6



OIL ANALYSIS REPORT



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