

Machine Id **410010** 

Component Diesel Engine Fluid PETRO CANADA DURON SHP 15W40 (11 GAL)

### COMPONENT CONDITION SUMMARY







### RECOMMENDATION

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

### PROBLEMATIC TEST RESULTS

			<b>~</b>			
Sample Status				ATTENTION	ATTENTION	ATTENTION
Magnesium	ppm	ASTM D5185m	1010	<u> </u>	<b>3</b> 34	▲ 338
Calcium	ppm	ASTM D5185m	1070	<b>407</b>	<b>4</b> 03	<b>4</b> 16
Phosphorus	ppm	ASTM D5185m	1150	<u> </u>	<u> </u>	▲ 509
Zinc	ppm	ASTM D5185m	1270	<b>6</b> 34	<u> </u>	<u> </u>
Sulfur	ppm	ASTM D5185m	2060	🔺 1425	<b>1</b> 343	<b>1</b> 471
Visc @ 100°C	cSt	ASTM D445	15.4	<mark>/</mark> 9.3	<b>9</b> .1	<b>9</b> .1

Customer Id: GFL095 Sample No.: GFL0074639 Lab Number: 06007474 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 <u>customerservice@wearcheck.com</u>

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



### 03 Nov 2023 Diag: Jonathan Hester

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. 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. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.



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#### 23 Oct 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. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

#### 21 Jul 2023 Diag: Wes Davis





Resample at the next service interval to monitor. Please specify the component make and model with your 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**



# Machine Id 410010

Component Diesel Engine

# Fluid PETRO CANADA DURON SHP 15W40 (11 GAL)

### DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0074639	GFL0092486	GFL0092452
Sample Date		Client Info		10 Nov 2023	03 Nov 2023	23 Oct 2023
Machine Age	hrs	Client Info		8187	8130	8026
Oil Age	hrs	Client Info		649	592	488
Oil Changed		Client Info		Changed	Changed	Not Changd
Sample Status				ATTENTION	ATTENTION	ATTENTION
CONTAMINATI	ON	method	limit/base	current	history1	history2
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	16	16	13
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	5	4	4
Lead	ppm	ASTM D5185m	>40	0	<1	<1
Copper	ppm	ASTM D5185m	>330	0	<1	<1
Tin	ppm	ASTM D5185m	>15	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	<1	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<1	2	<1
Barium	ppm	ASTM D5185m	0	0	5	3
Molybdenum	ppm	ASTM D5185m	60	23	25	26
Manganese	ppm	ASTM D5185m	0	0	<1	0
Magnesium	ppm	ASTM D5185m	1010	<b>A</b> 362	<b>A</b> 334	<b>3</b> 38
Calcium	ppm	ASTM D5185m	1070	<u> </u>	<b>4</b> 03	<b>4</b> 16
Phosphorus	ppm	ASTM D5185m	1150	<b>4</b> 531	<u> </u>	<u> </u>
Zinc	ppm	ASTM D5185m	1270	<u> </u>	<u> </u>	▲ 606
Sulfur	ppm	ASTM D5185m	2060	<b>1425</b>	<b>1</b> 343	▲ 1471
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	2	2
Sodium	ppm	ASTM D5185m		41	31	22
Potassium	ppm	ASTM D5185m	>20	27	27	23
Fuel	%	ASTM D3524	>5	<1.0	<1.0	1.1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.3	1.2	1
Nitration	Abs/cm	*ASTM D7624	>20	6.2	6.0	5.5
Sulfation	Abs/.1mm	*ASTM D7415	>30	16.3	15.9	15.4
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	8.4	8.2	7.7
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	3.4	3.7	3.8
	ing itoning	AOTIVI D2000	0.0	0.4	0.7	0.0



# **OIL ANALYSIS REPORT**



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