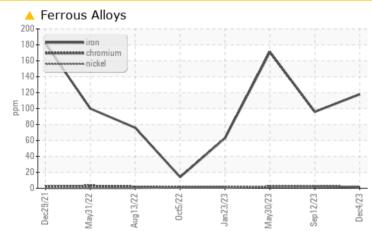
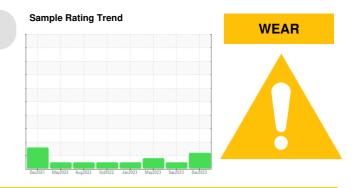


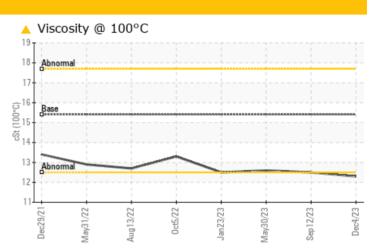
Machine Id 724010-515

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

### COMPONENT CONDITION SUMMARY







### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS										
Sample Status				ABNORMAL	NORMAL	ABNORMAL				
Iron	ppm	ASTM D5185m	>100	🔺 118	96	<b>1</b> 71				
Visc @ 100°C	cSt	ASTM D445	15.4	<b>12.3</b>	12.5	12.6				

Customer Id: GFL626 Sample No.: GFL0100048 Lab Number: 06029093 Test Package: FLEET



To manage this report scan the QR code

*To discuss the diagnosis or test data:* Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

### **RECOMMENDED ACTIONS**

There are no recommended actions for this sample.

### **HISTORICAL DIAGNOSIS**

### 12 Sep 2023 Diag: Don Baldridge



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.

### 30 May 2023 Diag: Sean Felton



Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.Cylinder, crank, or cam shaft wear is indicated. 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.

23 Jan 2023 Diag: Sean Felton



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

view report







## **OIL ANALYSIS REPORT**

# Sample Rating Trend WEAR

724010-515

Component Diesel Engine

Fluid

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

### DIAGNOSIS

### A Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

### 📥 Wear

Cylinder, crank, or cam shaft wear is indicated.

### Contamination

Fuel content negligible. 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. Confirm oil type.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0100048	GFL0062247	GFL0062223
Sample Date		Client Info		04 Dec 2023	12 Sep 2023	30 May 2023
Machine Age	hrs	Client Info		36945	36888	36484
Oil Age	hrs	Client Info		1	404	409
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				ABNORMAL	NORMAL	ABNORMAL
CONTAMINATI	ON	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	<b>118</b>	96	<b>1</b> 71
Chromium	ppm	ASTM D5185m	>20	2	2	2
Nickel	ppm	ASTM D5185m	>4	1	3	2
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	3	5	2
Lead	ppm	ASTM D5185m	>40	0	<1	2
Copper	ppm	ASTM D5185m	>330	2	2	2
Tin	ppm	ASTM D5185m	>15	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	11	12	8
Barium	ppm	ASTM D5185m	0	3	0	0
Molybdenum	ppm	ASTM D5185m	60	71	71	68
Manganese	ppm	ASTM D5185m	0	0	<1	1
Magnesium	ppm	ASTM D5185m	1010	823	916	972
Calcium	ppm	ASTM D5185m	1070	1070	1195	1150
Phosphorus	ppm	ASTM D5185m	1150	941	1041	1037
Zinc	ppm	ASTM D5185m	1270	1117	1264	1316
Sulfur	ppm	ASTM D5185m	2060	3027	3103	3477
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	5	7
Sodium	ppm	ASTM D5185m		0	<1	2
Potassium	ppm	ASTM D5185m	>20	2	<1	0
Fuel	%	ASTM D3524	>2.0	0.2	<1.0	<1.0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.9	0.8	1
Nitration	Abs/cm	*ASTM D7624	>20	7.2	7.0	8.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.2	19.1	20.5
FLUID DEGRAD	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.5	14.2	15.4
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.1	8.4	8.6



Fuel Dilution

Num

Base

# **OIL ANALYSIS REPORT**



1501 Ron Wilson St Cadillac, MI US 49601 Contact: GARY BREWER gbrewerjr@gflenv.com T: F: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

v30/23

Certificate L2367

Unique Number

: 10778884

To discuss this sample report, contact Customer Service at 1-800-237-1369. \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Test Package : FLEET (Additional Tests: FUELDILUTION, PercentFuel)

Diagnostician : Jonathan Hester

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Dec4/23

Sep12/23

history2

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

history2

NEG

NEG

12.6