

# **PROBLEM SUMMARY**

# Sample Rating Trend

# WEAR



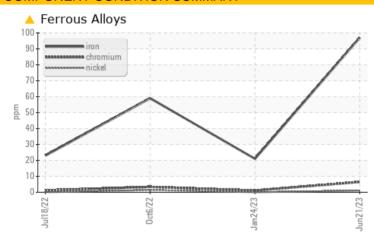


Machine Id 727122
Component

Diesel Engine

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

# **COMPONENT CONDITION SUMMARY**



# RECOMMENDATION

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.

PROBLEMATIC TEST RESULTS									
Sample Status				ABNORMAL	NORMAL	ABNORMAL			
Iron	ppm	ASTM D5185m	>80	<u> </u>	21	59			
Chromium	ppm	ASTM D5185m	>5	<u> </u>	1	3			

Customer Id: GFL641 Sample No.: GFL0067554 Lab Number: 05885368 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.

# HISTORICAL DIAGNOSIS

## 24 Jan 2023 Diag: Jonathan Hester

NORMAL



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



# 06 Oct 2022 Diag: Don Baldridge

FUEL



We advise that you check the fuel injection system. 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 a moderate amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.



# 18 Jul 2022 Diag: Jonathan Hester

NORMAL



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.





# **OIL ANALYSIS REPORT**

# DT "

# Sample Rating Trend WEAR



Machine Id
727122
Component
Diesel Engine
Fluid

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

# DIAGNOSIS

## Recommendation

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.

# Wear

Cylinder, crank, or cam shaft wear is indicated.

## Contamination

There is no indication of any contamination in the

## **Fluid Condition**

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

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SAMPLE INFORI	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		GFL0067554	GFL0067539	GFL0055906
Sample Date		Client Info		21 Jun 2023	24 Jan 2023	06 Oct 2022
Machine Age	hrs	Client Info		11040	9863	9843
Oil Age	hrs	Client Info		599	0	0
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				ABNORMAL	NORMAL	ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history 1	history 2
Fuel		WC Method	>5	<1.0	0.6	<b>▲</b> 7.3
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	>80	<u> </u>	21	59
Chromium	ppm	ASTM D5185m	>5	<u>^</u> 6	1	3
Nickel	ppm	ASTM D5185m	>2	1	0	1
Titanium	ppm	ASTM D5185m		<1	0	1
Silver	ppm	ASTM D5185m	>3	0	0	1
Aluminum	ppm	ASTM D5185m	>30	7	2	4
Lead	ppm	ASTM D5185m	>30	3	0	0
Copper	ppm	ASTM D5185m	>150	3	1	2
Tin	ppm	ASTM D5185m	>5	1	<1	1
Vanadium	ppm	ASTM D5185m		0	0	2
Cadmium	ppm	ASTM D5185m		<1	0	<1
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	0	26	45	23
Barium	ppm	ASTM D5185m	0	<1	0	<1
Molybdenum	ppm	ASTM D5185m	60	21	8	6
Manganese	ppm	ASTM D5185m	0	1	<1	2
Magnesium	ppm	ASTM D5185m	1010	834	665	572
Calcium	ppm	ASTM D5185m	1070	1605	1433	1177
Phosphorus	ppm	ASTM D5185m	1150	874	695	875
Zinc	ppm	ASTM D5185m	1270	1069	813	1043
Sulfur	ppm	ASTM D5185m	2060	3687	3570	3369
CONTAMINAN	ITS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	>20	16	6	16
Sodium	ppm	ASTM D5185m		13	8	9
Potassium	ppm	ASTM D5185m	>20	9	2	3
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	*ASTM D7844	>3	2	0.6	1.3
Nitration	Abs/cm	*ASTM D7624	>20	18.6	13.3	14.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	36.6	23.7	27.7
FLUID DEGRA	DATION	method	limit/base	current	history 1	history 2
Oxidation	Abs/.1mm	*ASTM D7414	>25	39.1	21.5	25.3
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	5.6	8.2	7.5



# **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory Sample No. Lab Number

: 05885368 **Unique Number** : 10535851 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 28 Jun 2023 : GFL0067554

Diagnostician

Diagnosed : 30 Jun 2023 : Don Baldridge

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. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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