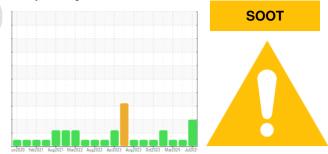


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id 727003

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

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0113209	GFL0102863	GFL010286
Sample Date		Client Info		08 Jul 2024	01 Apr 2024	21 Mar 2024
Machine Age	kms	Client Info		0	0	0
Oil Age	kms	Client Info		39584	38975	38927
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
CONTAMINATI	ON	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	0.0	NEG
WEAR METALS	5	method	limit/base	current	history1	history
Iron	ppm	ASTM D5185(m)	>120	17	13	14
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<1	0	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	<1
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<1	<1	6
Lead	ppm	ASTM D5185(m)	>40	2	0	0
Copper	ppm	( )	>330	3	8	2
Tin	ppm	ASTM D5185(m)	>15	0	0	0
Antimony	ppm	ASTM D5185(m)		<1	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	26	93	211
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	60	34	3	115
Manganese	ppm	ASTM D5185(m)	0	<1	0	0
Magnesium	ppm	ASTM D5185(m)	1010	435	39	589
Calcium	ppm	ASTM D5185(m)	1070	1562	2050	1511
Phosphorus	ppm	ASTM D5185(m)	1150	680	852	679
Zinc	ppm	ASTM D5185(m)	1270	802	1056	800
Sulfur	ppm	ASTM D5185(m)	2060	1869	2565	2012
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	rs	method	limit/base	current	history1	history
Silicon	ppm	ASTM D5185(m)	>25	3	1	22
Sodium	ppm	ASTM D5185(m)		2	1	2
Potassium	ppm	ASTM D5185(m)	>20	<1	5	1
Fuel	%	ASTM D7593*	>3.0	<mark>/</mark> 3.3	<1.0	1.1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>4	<b>4</b> .1	3.7	1
Nitration	Abs/cm	ASTM D7624*	>20	11.3	10.1	9.0

### DIAGNOSIS Recommendation

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this

#### Wear

condition.

All component wear rates are normal.

#### Contamination

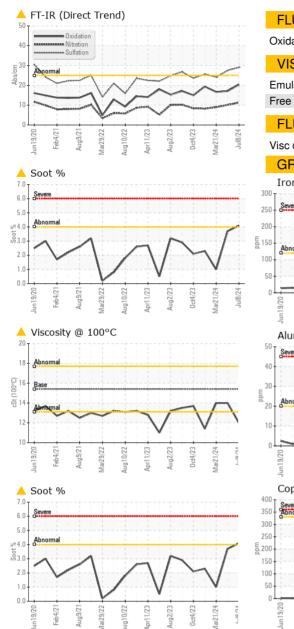
There is a moderate amount of fuel present in the oil. Light concentration of carbon/soot present in the oil. Tests confirm the presence of fuel in the oil.

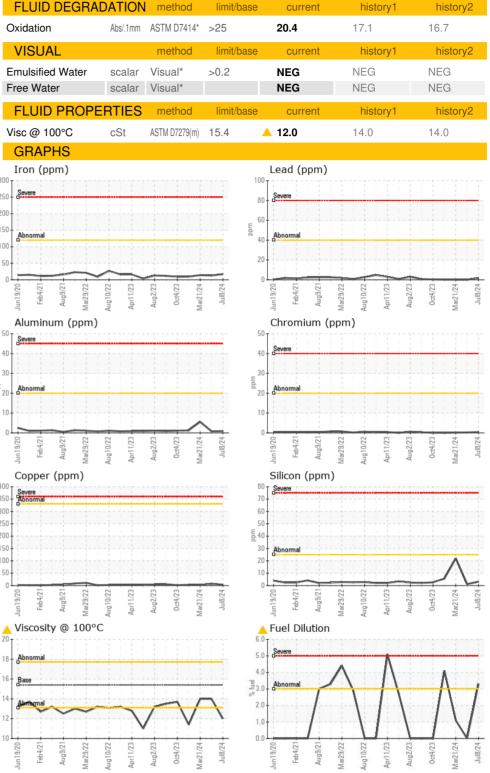
### Fluid Condition

Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.



# **OIL ANALYSIS REPORT**





Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 246 - Windsor CALA Sample No. : GFL0113209 Received : 09 Jul 2024 2700 Deziel Dr Lab Number : 02646663 Tested : 11 Jul 2024 Windsor, ON ISO 17025:2017 Accredited Unique Number : 5812215 Diagnosed : 11 Jul 2024 - Wes Davis CA N8W 5H8 Laboratory Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel) Contact: Dave Varga To discuss this sample report, contact Customer Service at 1-800-268-2131. dvarga@gflenv.com Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. T: (519)944-8009 Validity of results and interpretation are based on the sample and information as supplied.

cSt (100°C)

Report Id: GFL246 [WCAMIS] 02646663 (Generated: 07/11/2024 08:13:53) Rev: 1

Submitted By: Dave Varga Page 2 of 2

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