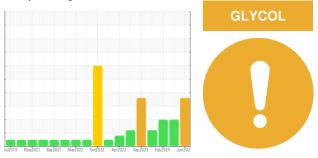


# **OIL ANALYSIS REPORT**

Sample Rating Trend



### Machine Id

## 401024

Diesel Engine

#### Fluid PETRO CANADA DURON XL SYN BLEND 15W40 (--- GAL)

## DIAGNOSIS

### Recommendation

We advise that you check for the source of the coolant leak. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

#### Wear

All component wear rates are normal.

#### Contamination

Test for glycol is positive. There is a light concentration of glycol present in the oil.

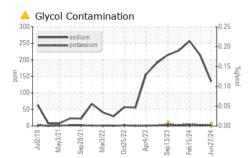
#### Fluid Condition

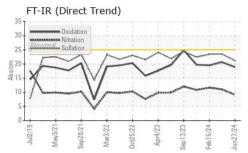
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service. The oil is no longer serviceable due to the presence of contaminants.

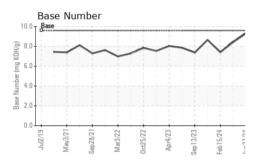
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0112432	GFL0117296	GFL0112414
Sample Date		Client Info		27 Jun 2024	02 May 2024	15 Feb 2024
Machine Age	kms	Client Info		567778	20662	20083
Oil Age	kms	Client Info		0	582	619
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	ATTENTION	ATTENTION
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<b>4</b>	4.2
Water		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>110	17	26	30
Chromium	ppm	ASTM D5185(m)	>4	<1	1	1
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)		3	5	5
Lead	ppm	ASTM D5185(m)	>45	0	0	<1
Copper	ppm	ASTM D5185(m)	>85	10	<1	<1
Tin	ppm	ASTM D5185(m)	>4	0	0	0
Antimony	ppm	ASTM D5185(m)		0	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)	1	3	2	<1
Barium	ppm	ASTM D5185(m)	1	0	0	0
Molybdenum	ppm	ASTM D5185(m)	60	61	64	64
Manganese	ppm	ASTM D5185(m)	1	<1	<1	0
Magnesium	ppm	ASTM D5185(m)	1010	891	922	883
Calcium	ppm	ASTM D5185(m)	1070	1012	1025	1020
Phosphorus	ppm	ASTM D5185(m)	1150	935	944	958
Zinc	ppm	ASTM D5185(m)	1270	1137	1133	1112
Sulfur	ppm	ASTM D5185(m)	2060	2363	2298	2424
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>30	4	7	5
Sodium	ppm	ASTM D5185(m)		<mark> </mark> 134	214	257
Potassium	ppm	ASTM D5185(m)	>20	2	3	4
Glycol	%	ASTM D7922*		<b>A</b> 0.01	0.0	0.0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.5	0.8	0.9
Nitration	Abs/cm	ASTM D7624*	>20	9.1	11.0	11.6
Sulfation	Abs/.1mm	ASTM D7024 ASTM D7415*	>30	21.1	23.5	23.4
Guildion	ruog, 111111	A01W D1413	200	21.1	20.0	20.7

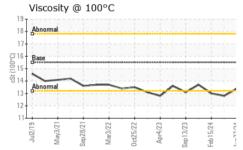


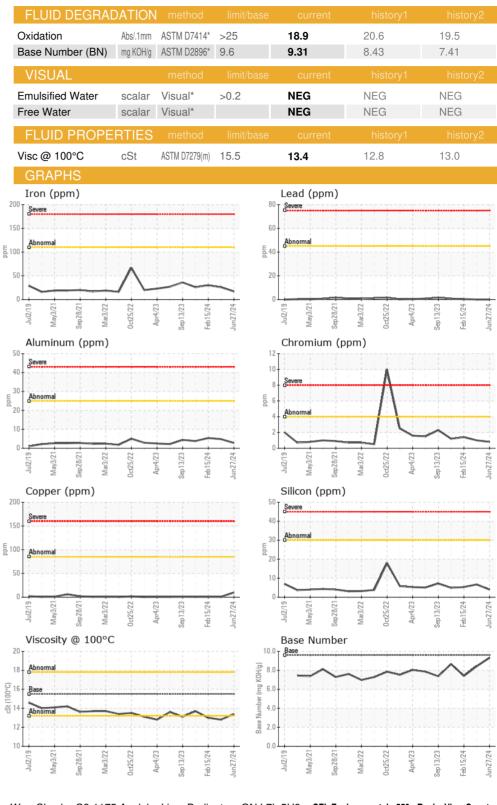
# **OIL ANALYSIS REPORT**











Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 550 - Rocky View County CALA Sample No. : GFL0112432 Received : 05 Jul 2024 220 Carmek Blvd Lab Number : 02645716 Tested : 05 Jul 2024 Rocky View County, AB ISO 17025:2017 Accredited Unique Number : 5803255 Diagnosed : 05 Jul 2024 - Wes Davis CA T1X 1X1 Laboratory Test Package : MOB 2 (Additional Tests: Glycol) Contact: GFL Calgary calgarymaintenance@gflenv.com To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. T: F: (403)369-6163 Validity of results and interpretation are based on the sample and information as supplied.

Report Id: GFL550 [WCAMIS] 02645716 (Generated: 07/05/2024 17:35:19) Rev: 1

Submitted By: GFL Calgary Page 2 of 2