

Current

GFL0112432

27 Jun 2024

567778

History1

02 May 2024

20662

History2

15 Feb 2024

20083

GFL0117296 GFL0112414

Machine Id 401024 Component Diesel Engine Fluid PETRO CANADA DURON XL SYN BLEND 15W40 (--- GAL)

Test

Sample Number

Sample Date

Machine Age

UOM

kms

Method

Client Info

Client Info

Client Info

Limit/Abn

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

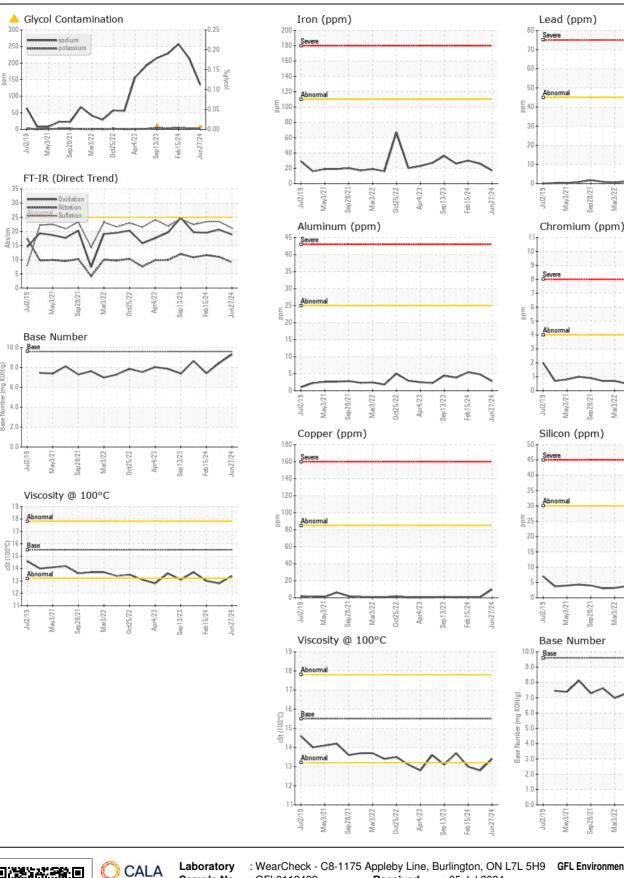
Test for glycol is positive. There is a light concentration of glycol present in the oil.

	Oil Age	kms	Client Info		0	582	619
	Filter Age	kms	Client Info		0	582	619
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				ATTENTION	ATTENTION	ATTENTION
	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)	>25	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
	Vanadium	ppm	ASTM D5185(m)		0	0	0
						_	
	Silicon	ppm	ASTM D5185(m)	>30	4	7	5
	Potassium	ppm	ASTM D5185(m)	>20	2	3	4
	Fuel		WC Method	>5	<1.0	▲ 4	4.2
	Water	0/	WC Method	>0.2	NEG	NEG	NEG
	Glycol	%	ASTM D7922*	0	▲ 0.01	0.0	0.0
	Soot %	%	ASTM D7844*	>3	0.5	0.8	0.9
	Nitration Sulfation	Abs/cm Abs/.1mm	ASTM D7624* ASTM D7415*	>20 >30	9.1 21.1	11.0 23.5	11.6 23.4
	Emulsified Water		Visual*	>0.2	NEG	NEG	NEG
		scalar	visuai	>0.2	NEG	NEG	NEG
	Sodium	ppm	ASTM D5185(m)		e 134	214	257
	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
	Oxidation	Abs/.1mm	ASTM D7414*	>25	18.9	20.6	19.5
	Base Number (BN)	mg KOH/g	ASTM D2896*	9.6	9.31	8.43	7.41
	Visc @ 100°C	cSt	ASTM D7279(m)	15.5	13.4	12.8	13.0
					Sub	mitted By: G	EL Calgar

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.

Submitted By: GFL Calgary



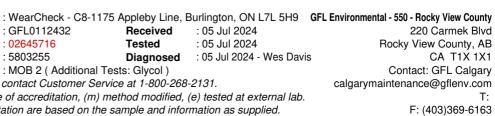
: GFL0112432

: 02645716

Sample No.

Lab Number

Unique Number : 5803255



Apr4/23 Sep13/23 Feb15/24 Jun27/24

Mar3/22

Sep 28/21

: 05 Jul 2024

: 05 Jul 2024

: 05 Jul 2024 - Wes Davis

Received

Diagnosed

Tested

Test Package : MOB 2 (Additional Tests: Glycol) 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. Validity of results and interpretation are based on the sample and information as supplied.

ISO 17025:2017

Accredited

Laboratory

(mg KOH/g)

umber

Base

Report Id: GFL550 [WCAMIS] 02645716 (Generated: 07/05/2024 17:28:20) Rev: 1

Submitted By: GFL Calgary

Sep 13/23

eb 15/24 40/10u

eb15/24

ep 13/23

or4/23 en13/73 eb15/24

ur4/23

Aar3/77

Aar3/77

en 28/71

en 28/7 Mar3/77

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