

# **OIL ANALYSIS REPORT**

Sample Rating Trend





4497 Component Diesel Engine

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

# ...........



SAMPLE INFOR	RMATIO	M method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0112451	GFL0117328	GFL0099529
Sample Date		Client Info		17 Jun 2024	03 Apr 2024	18 Dec 2023
Machine Age	hrs	Client Info		506	24967	710173
Oil Age	hrs	Client Info		506	611	600
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINA	TION	method	limit/base	current	history1	history2
Fuel		WC Method	>6.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR META	LS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	6	12	5
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
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	1	2	2
Lead	ppm	ASTM D5185(m)	>40	0	0	<1
Copper	ppm	ASTM D5185(m)	>330	<1	1	<1
Tin	ppm	ASTM D5185(m)	>15	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	8	3	2
Barium	ppm	ASTM D5185(m)	1	0	0	0
Molybdenum	ppm	ASTM D5185(m)	60	57	57	56
Manganese	ppm	ASTM D5185(m)	1	<1	<1	0
Magnesium	ppm	ASTM D5185(m)	1010	906	953	925
Calcium	ppm	ASTM D5185(m)	1070	1030	1058	1066
Phosphorus	ppm	ASTM D5185(m)	1150	907	949	966
Zinc	ppm	ASTM D5185(m)	1270	1133	1177	1144
Sulfur	ppm	ASTM D5185(m)	2060	2294	2301	2491
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	4	4	4
Sodium	ppm	ASTM D5185(m)		3	3	3
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	3

Potassium	ppm	ASTM D5185(m)	>20	<1	<1	3
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	7.5	8.1	6.8
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.8	19.3	19.4

## DIAGNOSIS Recommendation

Resample at the next service interval to monitor.

### Wear

Metal levels are typical for a new component breaking in.

#### Contamination

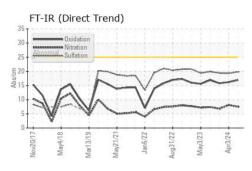
There is no indication of any contamination in the oil.

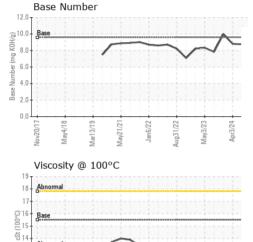
#### Fluid Condition

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



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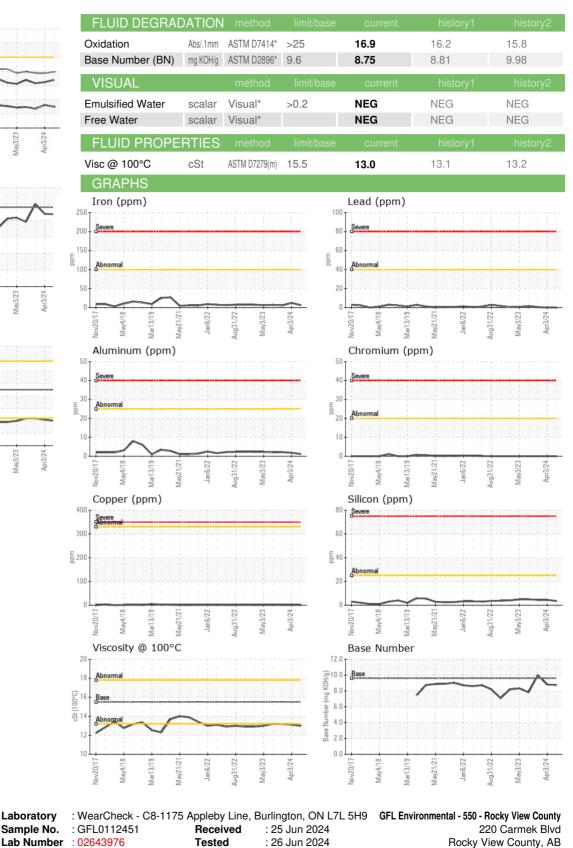


Mav3/23

an 6/22

ua31/77

Apr3/24





A 13

Vov20/17

Accredited Unique Number : 5801515 Diagnosed : 26 Jun 2024 - Wes Davis Laboratory Test Package : MOB 2 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.

Report Id: GFL550 [WCAMIS] 02643976 (Generated: 06/26/2024 08:32:54) Rev: 1

CALA

ISO 17025:2017

Laboratory

Sample No.

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