

### **OIL ANALYSIS REPORT**





# Machine Id 201043

Component **Diesel Engine** 

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

#### DIAGNOSIS

#### A Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

Light fuel dilution occurring. No other contaminants were detected in the oil.

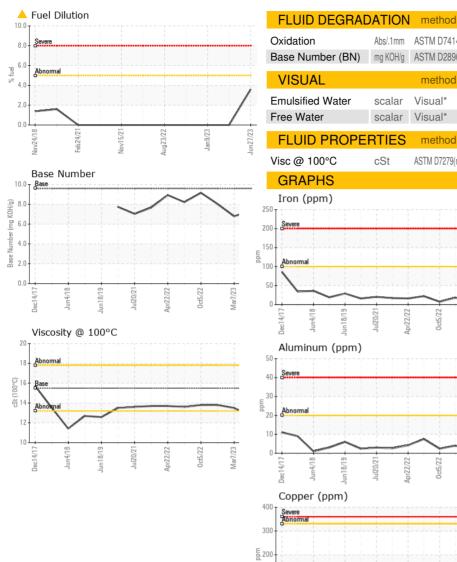
#### Fluid Condition

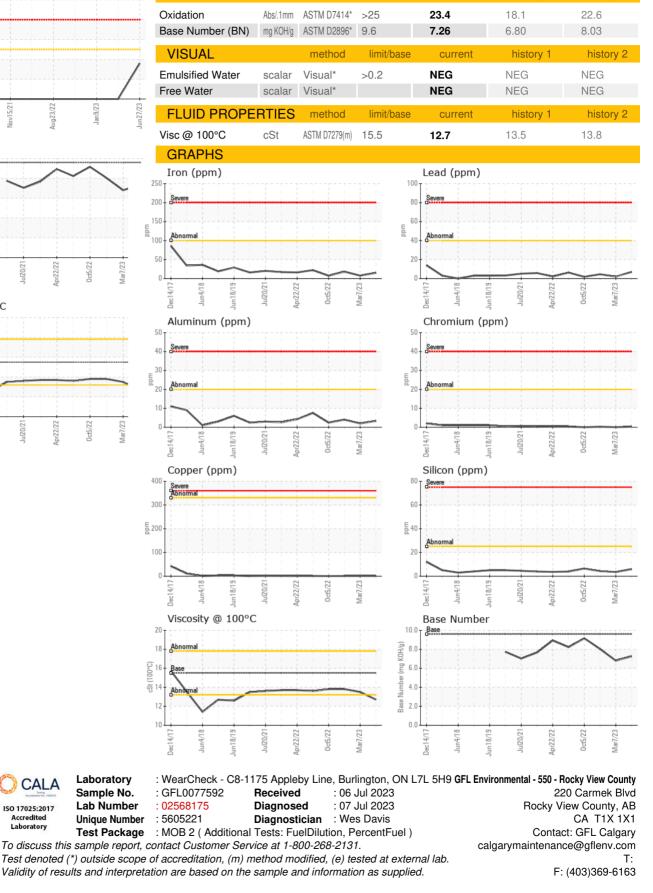
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORM	MATION	method	limit/base	current	history 1	history 2
Sample Number		Client Info		GFL0077592	GFL0070740	GFL0063718
Sample Date		Client Info		27 Jun 2023	07 Mar 2023	09 Jan 2023
Machine Age	kms	Client Info		373251	8806	8408
Oil Age	kms	Client Info		0	398	543
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				MARGINAL	NORMAL	NORMAL
CONTAMINATI	ON	method	limit/base	current	history 1	history 2
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS	S	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185(m)	>100	15	8	18
Chromium	ppm	ASTM D5185(m)	>20	<1	0	<1
Nickel	ppm	ASTM D5185(m)	>4	0	0	<1
Titanium	ppm	ASTM D5185(m)		0	<1	0
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)		3	2	4
Lead	ppm	ASTM D5185(m)	>40	7	2	4
Copper	ppm	ASTM D5185(m)		<1	<1	<1
Tin	ppm	ASTM D5185(m)	>15	<1	<1	<1
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	history 1	history 2
Boron	ppm	ASTM D5185(m)	1	2	2	3
Barium	ppm	ASTM D5185(m)	1	0	0	0
Molybdenum	ppm	ASTM D5185(m)	60	59	57	60
Manganese	ppm	ASTM D5185(m)		<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	1010	950	918	957
Calcium	ppm	ASTM D5185(m)		1045	1136	1114
Phosphorus	ppm	ASTM D5185(m)	1150	1038	1069	1067
Zinc	ppm	( )	1270	1184	1171	1183
Sulfur	ppm	ASTM D5185(m)	2060	2397	2578	2487
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	TS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185(m)	>25	6	4	4
Sodium	ppm	ASTM D5185(m)		2	2	2
Potassium	ppm	ASTM D5185(m)	>20	3	<1	3
Fuel	%	ASTM D7593*	>5	<mark>▲</mark> 3.6	<1.0	<1.0
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	ASTM D7844*	>3	1.3	0.6	1.1
Nitration	Abs/cm	ASTM D7624*	>20	12.1	9.4	12.9



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limit/base

current

history 1

history 2

CALA

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Laboratory