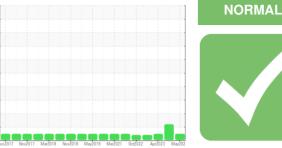


# **OIL ANALYSIS REPORT**

Sample Rating Trend





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

DIAGNOSIS	
Recommendation	

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.

Machine Id 4486

### Wear

Metal levels are typical for a new component breaking in.

## Contamination

There is no indication of any contamination in the oil.

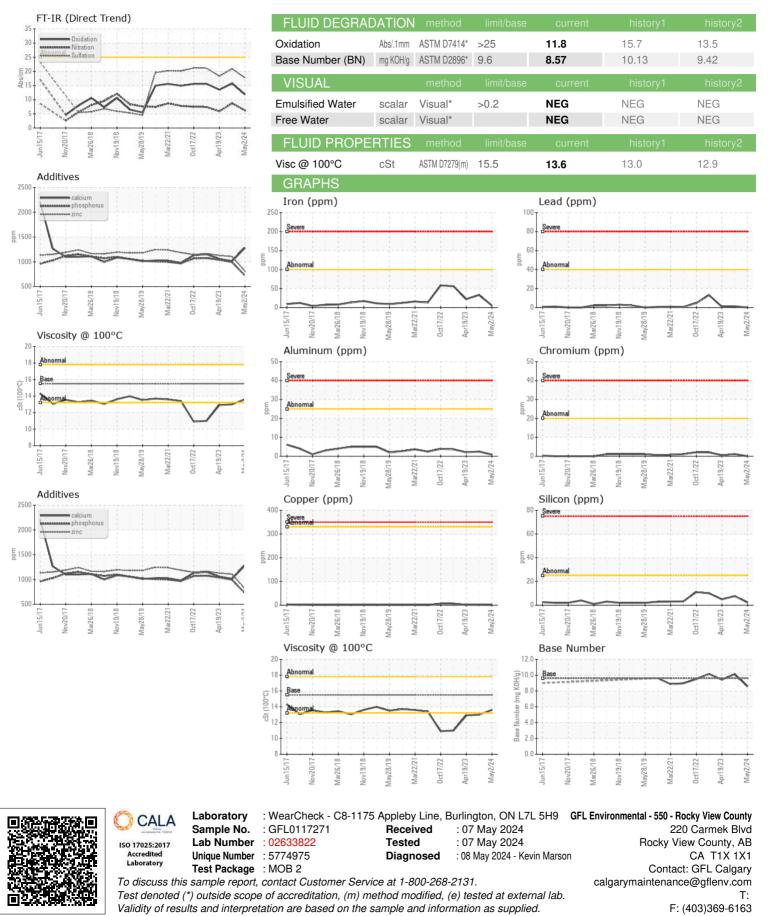
#### Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0117271	GFL0084310	GFL0077570
Sample Date		Client Info		02 May 2024	01 Aug 2023	19 Apr 2023
Machine Age	hrs	Client Info		601	37937	37465
Oil Age	hrs	Client Info		601	474	209
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ATTENTION	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>6.0	<1.0	<1.0	0.5
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	0.0	0.0
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	5	33	22
Chromium	ppm	ASTM D5185(m)	>20	0	1	<1
Nickel	ppm	ASTM D5185(m)	>2	۰ <1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	<1
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	1	<1
Copper	ppm	ASTM D5185(m)	>330	<1	2	2
Tin	ppm	ASTM D5185(m)	>15	0	<1	<1
Antimony	ppm	ASTM D5185(m)	210	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	1-1-	method	limit/base	current	history1	history2
Boron	nnm		1	79	2	3
Barium	ppm	ASTM D5185(m) ASTM D5185(m)	1	0	0	0
Molybdenum	ppm	ASTM D5185(m)	60	10	80	57
Manganese	ppm	ASTM D5185(m)	1	<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	1010	768	888	894
Calcium	ppm	ASTM D5185(m)	1070	1281	1015	1055
Phosphorus	ppm	ASTM D5185(m)	1150	720	991	1035
Zinc	ppm	ASTM D5185(m)	1270	810	1105	1127
Sulfur	ppm	ASTM D5185(m)	2060	2495	2480	2578
Lithium	ppm ppm	ASTM D5185(m)	2000	<1	<1	<1
		× /				
CONTAMINAN		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	2	8	5
Sodium	ppm	ASTM D5185(m)		38	578	48
Deterrie a la sure	ppm	ASTM D5185(m)	>20	3	20	7
Potassium	le le					
INFRA-RED	<b>PP</b>	method	limit/base	current	history1	history2
	%	method ASTM D7844*	limit/base	0	0.5	history2 0.2
INFRA-RED						



## **OIL ANALYSIS REPORT**



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