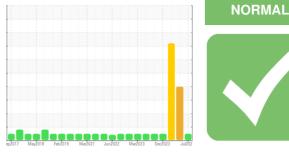


# **OIL ANALYSIS REPORT**

Sample Rating Trend





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

SAMPLE INFORMATION method

DIAGNOSIS	
Recommendation	

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

Test for glycol is negative. 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.

		methou	mmubase	current	TIISTOLA	Thistory 2
Sample Number		Client Info		GFL0128176	GFL0117280	GFL0112415
Sample Date		Client Info		10 Jul 2024	03 Jun 2024	17 Feb 2024
Machine Age	hrs	Client Info		39611	39315	1127673
Oil Age	hrs	Client Info		296	715	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	SEVERE
CONTAMINATI		method	limit/base	ourropt	history1	history2
				current		
Fuel		WC Method	>6.0	<1.0	1.5	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	3	7	7
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>2	0	<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	1
Lead	ppm	ASTM D5185(m)	>40	0	0	<1
Copper	ppm	ASTM D5185(m)	>330	4	6	4
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	5	5	4
Barium	ppm	ASTM D5185(m)	1	0	0	0
Molybdenum	ppm	ASTM D5185(m)	60	56	57	55
Manganese	ppm	ASTM D5185(m)	1	0	0	0
Magnesium	ppm	ASTM D5185(m)	1010	909	914	807
Calcium	ppm	ASTM D5185(m)	1070	1026	1023	943
Phosphorus	ppm	ASTM D5185(m)	1150	1116	960	929
Zinc	ppm	ASTM D5185(m)	1270	1172	1130	1120
Sulfur	ppm	ASTM D5185(m)	2060	2652	2486	2575
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	3	4	5
Sodium	ppm	ASTM D5185(m)		5	<b>4</b> 0	88
Potassium	ppm	ASTM D5185(m)	>20	<1	1	1
Glycol	%	ASTM D7922*		0.0	▲ 0.058	▲ 0.739
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	5.4	6.5	5.8
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.3	20.1	17.1



# **OIL ANALYSIS REPORT**



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