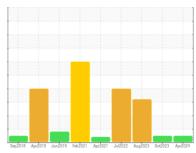


# **OIL ANALYSIS REPORT**

### Sample Rating Trend





Machine Id 801187 Component

Diesel Engine

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

## DIAGNOSIS

#### 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

Fuel content negligible. There is no indication of any contamination in the oil.

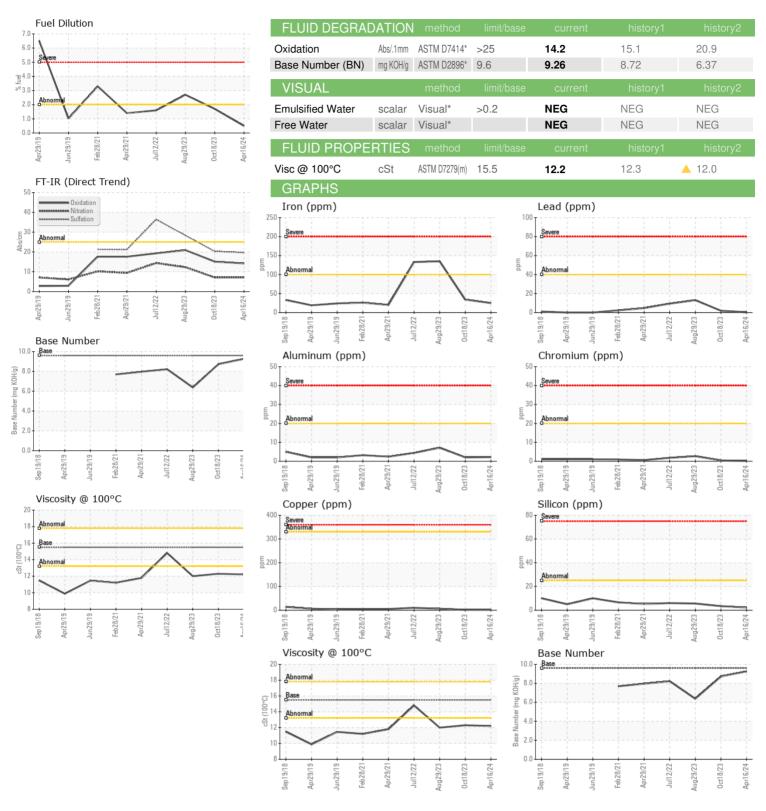
### **Fluid Condition**

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

15W40 ( GAL)	)	Sep2018 Ap	r2019 Jun2019 Feb2021	Apr2021 Jul2022 Aug2023 Oct203	23 Apr2024	
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0117308	GFL0084280	GFL0084362
Sample Date		Client Info		16 Apr 2024	18 Oct 2023	29 Aug 2023
Machine Age	hrs	Client Info		1766	18893	272163
Oil Age	hrs	Client Info		1766	346	0
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL
CONTAMINA	TION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	0.0
WEAR META	LS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	25	34	<u> </u>
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	3
Nickel	ppm	ASTM D5185(m)	>4	0	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)	>3	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	2	2	7
Lead	ppm	ASTM D5185(m)	>40	<1	2	13
Copper	ppm	ASTM D5185(m)	>330	2	2	6
Tin	ppm	ASTM D5185(m)	>15	0	<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	history1	history2
Boron	ppm	ASTM D5185(m)	1	3	4	2
Barium	ppm	ASTM D5185(m)	1	0	0	0
Molybdenum	ppm	ASTM D5185(m)	60	60	59	61
Manganese	ppm	ASTM D5185(m)	1	<1	0	1
Magnesium	ppm	ASTM D5185(m)	1010	962	942	889
Calcium	ppm	ASTM D5185(m)	1070	1062	1076	961
Phosphorus	ppm	ASTM D5185(m)	1150	996	1011	945
Zinc	ppm	ASTM D5185(m)	1270	1169	1182	1114
Sulfur	ppm	ASTM D5185(m)	2060	2461	2518	2093
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	2	3	6
Sodium	ppm	ASTM D5185(m)		26	29	204
Potassium	ppm	ASTM D5185(m)	>20	1	1	6
Fuel	%	ASTM D7593*	>2.0	0.5	1.7	▲ 2.7
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.7	0.8	2.4
Nitration	Abs/cm	ASTM D7624*		7.1	7.1	12.3
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.7	20.3	28.3



# **OIL ANALYSIS REPORT**





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

Lab Number : 02630893

: GFL0117308

Received : 23 Apr 2024 Tested : 25 Apr 2024

Unique Number : 5772046 Diagnosed : 25 Apr 2024 - Wes Davis Test Package : MOB 2 ( Additional Tests: FUELDILUTION, PercentFuel )

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.

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 550 - Rocky View County

220 Carmek Blvd Rocky View County, AB **CA T1X 1X1** 

Contact: GFL Calgary calgarymaintenance@gflenv.com T:

F: (403)369-6163

Submitted By: GFL Calgary