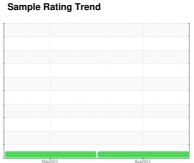


## **OIL ANALYSIS REPORT**









Machine Id
413101
Component
Diesel Engine
Fluid

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

# DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil

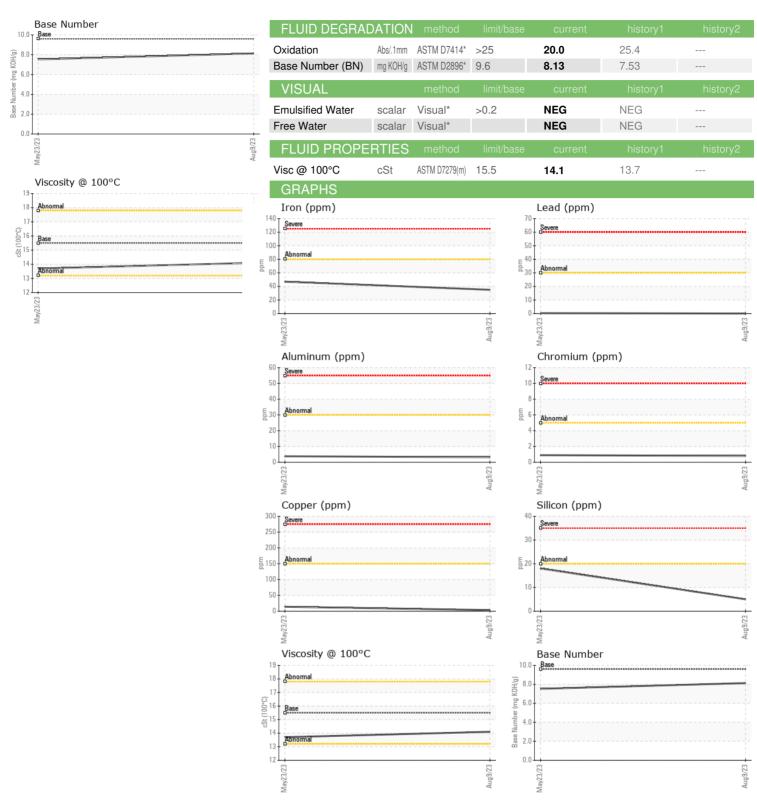
## **Fluid Condition**

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

SYN BLEND 15W40	( GAL)		May2023	Aug2023		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0084317	GFL0077606	
Sample Date		Client Info		09 Aug 2023	23 May 2023	
Machine Age	hrs	Client Info		1135	583	
Oil Age	hrs	Client Info		578	583	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Glycol		WC Method		NEG	NEG	
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>80	35	47	
Chromium	ppm	ASTM D5185(m)	>5	<1	<1	
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	
Titanium	ppm	ASTM D5185(m)	72	<1	<1	
Silver	ppm	ASTM D5185(m)	>3	0	0	
Aluminum	ppm	ASTM D5185(m)	>30	3	4	
Lead	ppm	ASTM D5185(m)	>30	0	<1	
Copper	ppm	ASTM D5185(m)	>150	4	14	
Tin	ppm	ASTM D5185(m)	>5	<1	<1	
Antimony	ppm	ASTM D5185(m)	/5	0	<1	
Vanadium	ppm	ASTM D5185(m)		0	0	
Beryllium	ppm	ASTM D5185(m)		0	0	
Cadmium	ppm	ASTM D5185(m)		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	1	5	42	
Barium	ppm	ASTM D5185(m)	1	<1	4	
Molybdenum	ppm	ASTM D5185(m)	60	59	41	
Manganese	ppm	ASTM D5185(m)	1	<1	5	
Magnesium	ppm	ASTM D5185(m)	1010	949	575	
Calcium	ppm	ASTM D5185(m)	1070	1116	1673	
Phosphorus	ppm	ASTM D5185(m)	1150	1028	779	
Zinc	ppm	ASTM D5185(m)	1270	1179	864	
Sulfur	ppm	ASTM D5185(m)	2060	2412	1944	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	5	18	
Sodium	ppm	ASTM D5185(m)		2	5	
Potassium	ppm	ASTM D5185(m)	>20	5	2	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.7	0.7	
Nitration	Abs/cm	ASTM D7624*	>20	10.1	11.0	
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.2	24.8	



## **OIL ANALYSIS REPORT**





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number **Unique Number** 

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 550 - Rocky View County : GFL0084317

: 02575834 : 5628894 Test Package : MOB 2

Received Diagnosed Diagnostician

: 15 Aug 2023 : 16 Aug 2023 : Wes Davis

Rocky View County, AB

**CA T1X 1X1** Contact: GFL Calgary calgarymaintenance@gflenv.com

Submitted By: GFL Calgary

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.

F: (403)369-6163

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