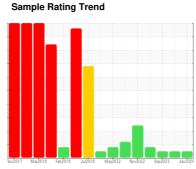


# **OIL ANALYSIS REPORT**





Machine Id **401022** Component **Diesel Engine** 

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

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

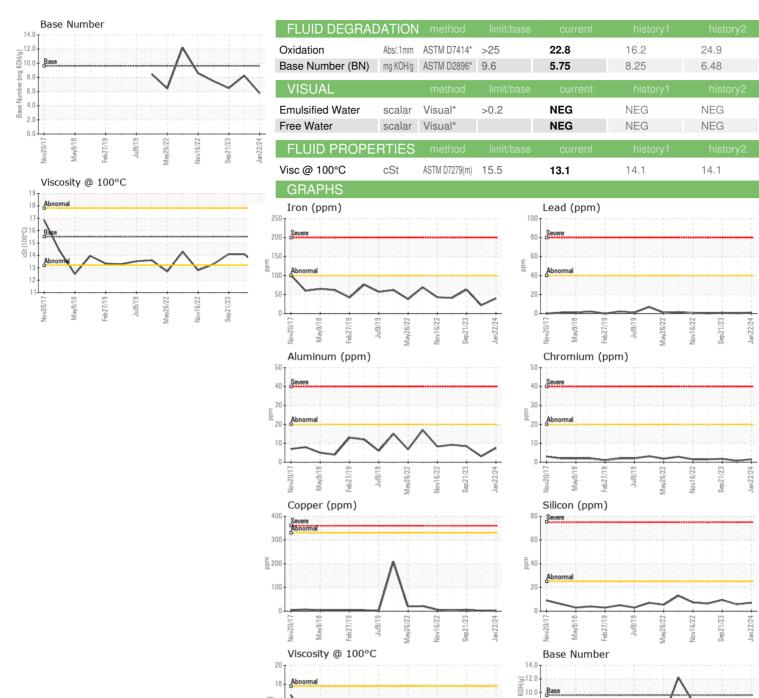
## **Fluid Condition**

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

		1012017 Mic	92010 1602013 000201	9 May2022 Nov2022 Sep20		
SAMPLE INFOF	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0099607	GFL0091571	GFL0091628
Sample Date		Client Info		22 Jan 2024	17 Oct 2023	21 Sep 2023
Machine Age	kms	Client Info		736223	714260	20140
Oil Age	kms	Client Info		0	0	632
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	0.0
WEAR METAL	_S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	40	22	63
Chromium	ppm	ASTM D5185(m)	>20	2	<1	2
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	<1	<1
Aluminum	ppm	ASTM D5185(m)	>20	8	3	8
Lead	ppm	ASTM D5185(m)	>40	<1	<1	<1
Copper	ppm	ASTM D5185(m)	>330	3	2	6
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	history1	history2
Boron	ppm	ASTM D5185(m)	1	2	3	2
Barium	ppm	ASTM D5185(m)	1	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	60	56	59	61
Manganese	ppm	ASTM D5185(m)	1	0	0	<1
Magnesium	ppm	ASTM D5185(m)	1010	880	936	925
Calcium	ppm	ASTM D5185(m)	1070	1048	1057	1040
Phosphorus	ppm	ASTM D5185(m)	1150	906	975	925
Zinc	ppm	ASTM D5185(m)	1270	1053	1184	1160
Sulfur	ppm	ASTM D5185(m)	2060	2210	2435	2164
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	7	6	9
Sodium	ppm	ASTM D5185(m)		29	24	86
Potassium	ppm	ASTM D5185(m)	>20	3	<1	12
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	2.2	8.0	2.4
Nitration	Abs/cm	ASTM D7624*	>20	11.0	7.7	12.5
Sulfation	Abs/.1mm	ASTM D7415*	>30	27.9	20.8	28.0



# **OIL ANALYSIS REPORT**







Laboratory Sample No. Lab Number Unique Number Test Package : MOB 2

: GFL0099607 : 02612328

: 5721423

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 550 - Rocky View County Recieved : 31 Jan 2024 : 01 Feb 2024

Diagnosed Diagnostician : Bill Quesnel

Bm) 8.0

Base Number 6.0 4.0 2.0 0.0

> 220 Carmek Blvd Rocky View County, AB **CA T1X 1X1** Contact: GFL Calgary

calgarymaintenance@gflenv.com F: (403)369-6163

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.

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