

# **OIL ANALYSIS REPORT**

SAMPLE INFORMATION meth

Sample Rating Trend



# Machine Id

### 4492 Component Diesel Engine

# Fluid

## PETRO CANADA DURON XL SYN BLEND 15W40 (38 LTR)

# 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.

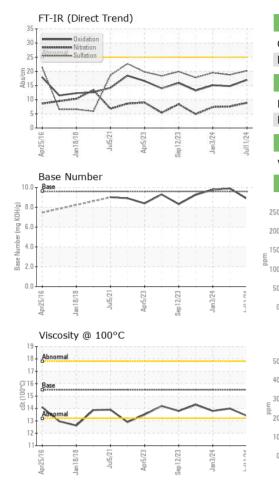
## Fluid Condition

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

SAMPLE INFOR		method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0128173	GFL0117316	GFL0099543
Sample Date		Client Info		11 Jul 2024	15 Apr 2024	03 Jan 2024
Machine Age	kms	Client Info		154054	0	121561
Oil Age	kms	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL
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CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>6.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	19	11	10
Chromium	ppm	ASTM D5185(m)	>20	<1	0	<1
Nickel	ppm	ASTM D5185(m)	>2	<1	<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	3	2	2
Lead	ppm	ASTM D5185(m)	>40	2	<1	1
Copper	ppm	ASTM D5185(m)	>330	2	2	1
Tin	ppm	ASTM D5185(m)	>15	<1	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	3	3	2
Barium	ppm		1	0	0	0
Molybdenum	ppm	ASTM D5185(m)	60	59	57	56
Manganese	ppm	ASTM D5185(m)	1	<1	0	0
Magnesium	ppm	ASTM D5185(m)	1010	925	933	911
Calcium	ppm	ASTM D5185(m)	1070	1040	1047	1071
Phosphorus	ppm	ASTM D5185(m)	1150	1128	979	1007
Zinc	ppm	ASTM D5185(m)	1270	1193	1156	1153
Sulfur	ppm	ASTM D5185(m)	2060	2594	2492	2676
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	5	2	3
Sodium	ppm	ASTM D5185(m)		4	2	2
Potassium	ppm	ASTM D5185(m)	>20	1	1	1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.5	0.5	0.5
Nitration	Abs/cm	ASTM D7624*		8.9	7.6	7.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.2	18.8	19.5
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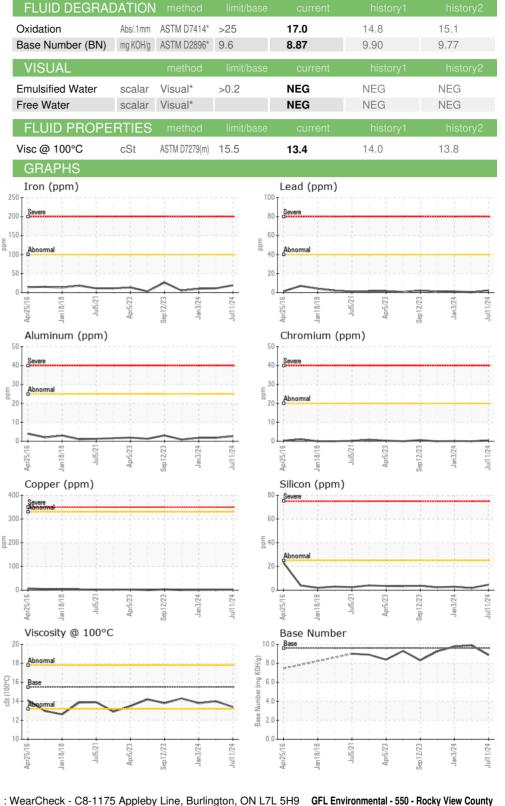
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18 (100°C)

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Laboratory CALA Sample No. : GFL0128173 Received : 16 Jul 2024 Lab Number : 02648042 Tested : 17 Jul 2024 ISO 17025:2017 Accredited Unique Number : 5813594 Diagnosed : 17 Jul 2024 - Wes Davis Laboratory Test Package : MOB 2 To discuss this sample report, contact Customer Service at 1-800-268-2131. calgarymaintenance@gflenv.com

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.

Report Id: GFL550 [WCAMIS] 02648042 (Generated: 07/17/2024 16:27:09) Rev: 1

Submitted By: GFL Calgary Page 2 of 2

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