

# **OIL ANALYSIS REPORT**

Sample Rating Trend

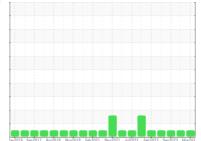




4498 Component

Front Diesel Engine

PETRO CANADA DI





DURON S	HP 15W40 (3	7 LTR)	1ay2016 Sep201	7 Apr2018 Nov2018 Feb2	121 Nov2021 Jul2022 Feb2023 Sep	2023 Mar202	
SA	MPLE INFORM	MATION	method	limit/base	current	history1	history2
Sam	ple Number		Client Info		GFL0112464	GFL0091565	GFL0084340
Sam	ple Date		Client Info		20 Mar 2024	04 Oct 2023	06 Sep 2023
Mac	hine Age	hrs	Client Info		20857	224618	19640
Oil A	lge	hrs	Client Info		590	0	600
Oil C	Changed		Client Info		Changed	Changed	Changed
Sam	ple Status				NORMAL	NORMAL	NORMAL
C	ONTAMINATI	ON	method	limit/base	current	history1	history2
Fuel			WC Method	>6.0	<1.0	<1.0	<1.0
Wate	ər		WC Method	>0.2	NEG	NEG	NEG
Glyc	ol		WC Method		NEG	NEG	0.0
W	EAR METAL	S	method	limit/base	current	history1	history2
Iron		ppm	ASTM D5185(m)	>100	10	12	45
Chro	omium	ppm	ASTM D5185(m)	>20	0	0	<1
Nick	el	ppm	ASTM D5185(m)	>2	<1	<1	1
Titar	nium	ppm	ASTM D5185(m)		0	0	<1
Silve	er	ppm	ASTM D5185(m)	>2	0	<1	0
Alun	ninum	ppm	ASTM D5185(m)	>25	2	2	5
Lead	Ł	ppm	ASTM D5185(m)	>40	0	<1	2
Сор	per	ppm	ASTM D5185(m)	>330	2	3	13
Tin		ppm	ASTM D5185(m)	>15	0	<1	<1
Antii	mony	ppm	ASTM D5185(m)		0	0	0
Van	adium	ppm	ASTM D5185(m)		0	0	0
Bery	rllium	ppm	ASTM D5185(m)		0	0	0
Cad	mium	ppm	ASTM D5185(m)		0	0	0
A	DITIVES		method	limit/base	current	history1	history2
Borc	on	ppm	ASTM D5185(m)	0	4	4	4
Bari	um	ppm	ASTM D5185(m)	0	0	<1	0
Moly	/bdenum	ppm	ASTM D5185(m)	60	57	58	60
Man	ganese	ppm	ASTM D5185(m)	0	0	0	<1
Mag	nesium	ppm	ASTM D5185(m)	1010	935	935	959
Calc	ium	ppm	ASTM D5185(m)	1070	1018	1038	1067
Pho	sphorus	ppm	ASTM D5185(m)	1150	976	980	1007
Zinc		ppm	ASTM D5185(m)	1270	1162	1152	1184
Sulfu	Jr	ppm	ASTM D5185(m)	2060	2399	2490	2301
Lithi	um	ppm	ASTM D5185(m)		<1	<1	<1
C	ONTAMINAN	TS	method	limit/base	current	history1	history2
Silic	on	ppm	ASTM D5185(m)	>25	4	15	12
Sodi	um	ppm	ASTM D5185(m)		14	10	41
							5

Potassium	ppm	ASTM D5185(m)	>20	<1	<1	5
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.1	0	0.6
Nitration	Abs/cm	ASTM D7624*	>20	7.8	5.9	8.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.4	19.0	21.5

## Recommendation

DIAGNOSIS

Resample at the next service interval to mo

### Wear

All component wear rates are normal.

#### Contamination

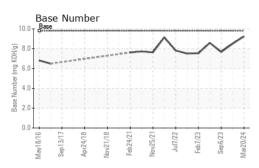
There is no indication of any contamination oil.

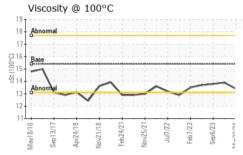
### Fluid Condition

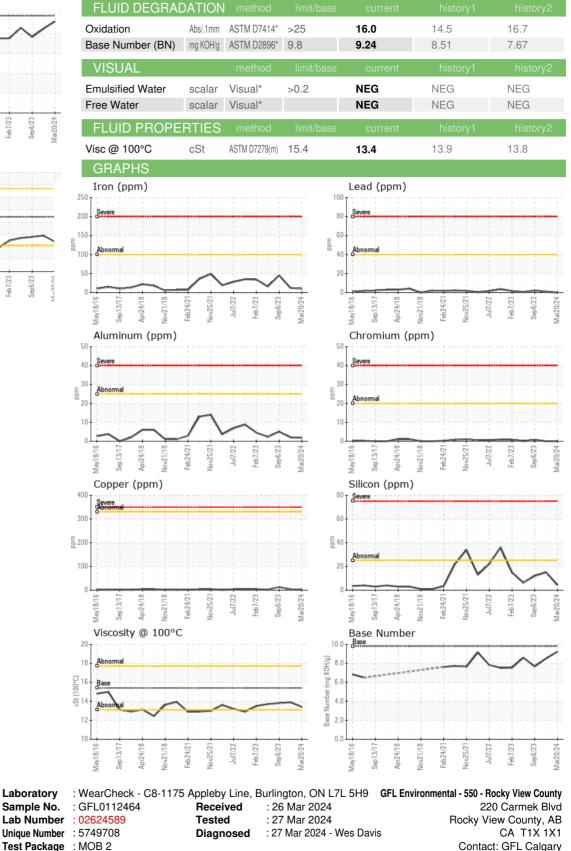
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition oil is suitable for further service.



# **OIL ANALYSIS REPORT**







Test Package : MOB 2 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.

Report Id: GFL550 [WCAMIS] 02624589 (Generated: 03/27/2024 09:37:26) Rev: 1

CALA

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Laboratory

Laboratory

Sample No.

Submitted By: GFL Calgary Page 2 of 2

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