

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area (MRU613) Machine Id 9136

Component **Front Diesel Engine**

PETRO CANADA DURON XL SYN BLEND 15W40 (27 LTR)





SAN		MAT <u>ION</u>	method	limit/base	current	history1	history2
	le Number		Client Info		GFL0099622	GFL0091587	GFL0084336
	le Date		Client Info		25 Jan 2024	03 Nov 2023	30 Aug 2023
	ne Age	hrs	Client Info		20798	50291	19804
Oil Ag	-	hrs	Client Info		563	0	545
-	anged		Client Info		Changed	Changed	Changed
	le Status				NORMAL	NORMAL	NORMAL
	NTAMINATI	ON	method	limit/base	current	history1	history2
Water			WC Method	>0.2	NEG	NEG	NEG
Glyco			WC Method		NEG	NEG	NEG
,		S	method	limit/base	current	history1	history2
Iron		ppm	ASTM D5185(m)	>120	10	8	12
Chron	nium	ppm	ASTM D5185(m)		0	0	<1
Nicke			ASTM D5185(m)	>5	۰ <1	<1	0
Titani		ppm ppm	ASTM D5185(m)		0	0	0
Silver			ASTM D5185(m)		0	<1	
Alumi		ppm	()	>2	2	<1	0
-	lum	ppm	ASTM D5185(m)				
Lead		ppm	ASTM D5185(m)	>40	<1	<1	2
Copp) 9r	ppm	ASTM D5185(m)		2	<1	<1
Tin		ppm	ASTM D5185(m)	>15	<1	<1	<1
Antim	,	ppm	ASTM D5185(m)		0	0	<1
Vanad		ppm	ASTM D5185(m)		0	0	0
Beryll		ppm	ASTM D5185(m)		0	0	0
Cadm	ium	ppm	ASTM D5185(m)		0	0	0
AD	DITIVES		method	limit/base	current	history1	history2
Boron		ppm	ASTM D5185(m)	1	2	3	2
Bariur	n	ppm	ASTM D5185(m)	1	0	<1	0
Molyb	denum	ppm	ASTM D5185(m)	60	57	56	57
Mang	anese	ppm	ASTM D5185(m)	1	0	0	<1
Magn	esium	ppm	ASTM D5185(m)	1010	903	900	940
Calciu	ım	ppm	ASTM D5185(m)	1070	1044	1020	1021
Phose	ohorus	ppm	ASTM D5185(m)	1150	950	928	984
Zinc		ppm	ASTM D5185(m)	1270	1164	1110	1161
Sulfur		ppm	ASTM D5185(m)	2060	2501	2317	2341
Lithiu		ppm	ASTM D5185(m)		<1	<1	<1
CO	NTAMINAN [.]	TS	method	limit/base	current	history1	history2
Silico	า	ppm	ASTM D5185(m)	>25	4	7	6
Sodiu	m	ppm	ASTM D5185(m)		4	2	5
Potas		ppm	ASTM D5185(m)	>20	<1	0	<1
Fuel		%	ASTM D7593*	>3.0	2.8	<1.0	<1.0
	RA-RED		method	limit/base	current	history1	history2
INF							
INF Soot 9	%	%	ASTM D7844*	>4	0.5	0.5	0.7
		% Abs/cm	ASTM D7844* ASTM D7624*	>4 >20	0.5 8.1	0.5 7.7	0.7 8.0

DIAGNOSIS Recommendation

The oil change at the time of sampling has been

noted. Resample at the next service interval to monitor. No other corrective action is recommer at this time.

Fluid

Wear

All component wear rates are normal.

Contamination

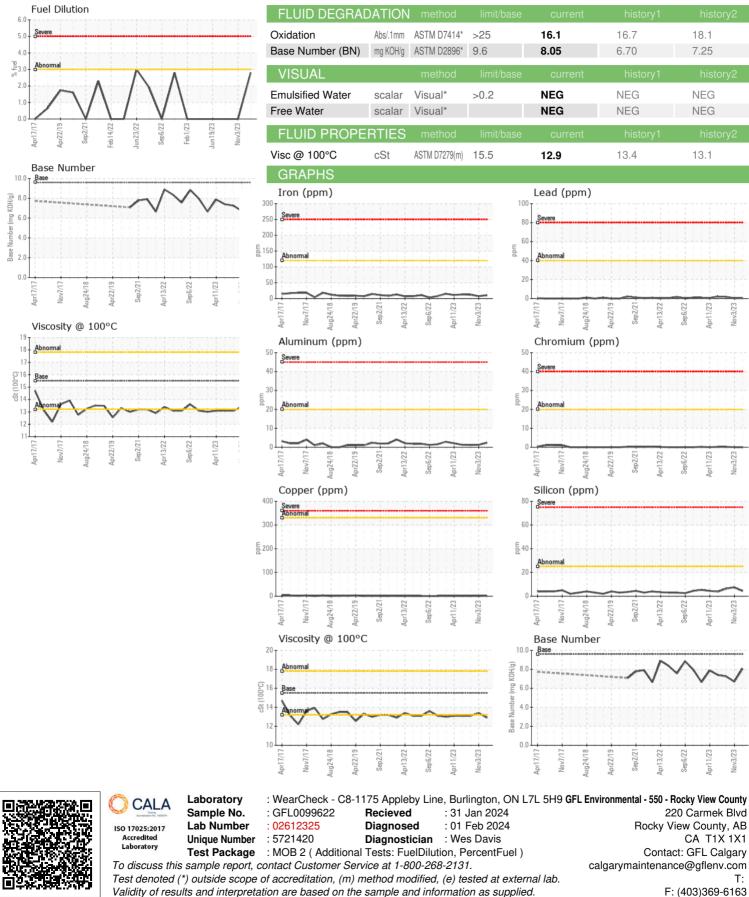
Light fuel dilution occurring. No other contamina were detected in the oil.

Fluid Condition

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



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Validity of results and interpretation are based on the sample and information as supplied.

Submitted By: GFL Calgary Page 2 of 2

pr11/23 Vov3/23

T:

18.1

7.25

NEG

NEG

13.1

r11/23