

OIL ANALYSIS REPORT

Sample Rating Trend

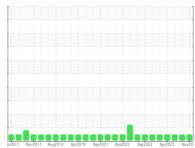


9136 Component

Area (MRU613) Machine Id

Front Diesel Engine Fluid

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





			pi2017 Nov20	Augzolo Apizolo	oopeven Aprevee OBp2022 Apr	2023 10920	
	SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
	Sample Number		Client Info		GFL0091587	GFL0084336	GFL0077639
terval to monitor.	Sample Date		Client Info		03 Nov 2023	30 Aug 2023	19 Jun 2023
	Machine Age	nrs	Client Info		50291	19804	90503
ormal.	Oil Age	nrs	Client Info		0	545	570
	Oil Changed		Client Info		Changed	Changed	Changed
tamination in the	Sample Status				NORMAL	NORMAL	NORMAL
	CONTAMINATIC	N	method	limit/base	current	history1	history2
e is suitable	Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
e condition of the	Glycol		WC Method		NEG	NEG	NEG
	WEAR METALS		method	limit/base	current	history1	history2
	lron p	opm	ASTM D5185(m)	>120	8	12	13
	Chromium p	opm	ASTM D5185(m)	>20	0	<1	<1
		opm	ASTM D5185(m)	>5	<1	0	<1
	Titanium p	opm	ASTM D5185(m)	>2	0	0	0
		opm	ASTM D5185(m)	>2	<1	0	0
	Aluminum p	opm	ASTM D5185(m)	>20	1	1	1
	Lead p	opm	ASTM D5185(m)	>40	<1	2	2
		opm	ASTM D5185(m)	>330	<1	<1	<1
		opm	ASTM D5185(m)	>15	<1	<1	<1
		opm	ASTM D5185(m)		0	<1	0
		opm	ASTM D5185(m)		0	0	0
		opm	ASTM D5185(m)		0	0	0
		pm	ASTM D5185(m)		0	0	0
	ADDITIVES		method	limit/base	current	history1	history2
	Boron p	opm	ASTM D5185(m)	1	3	2	4
		pm	ASTM D5185(m)	1	<1	0	0
		opm	ASTM D5185(m)	60	56	57	57
		opm	ASTM D5185(m)	1	0	<1	<1
	.	opm	ASTM D5185(m)	1010	900	940	910
		pm	ASTM D5185(m)	1070	1020	1021	1012
		opm	ASTM D5185(m)	1150	928	984	943
		opm	ASTM D5185(m)		1110	1161	1127
		opm	ASTM D5185(m)		2317	2341	2191
		opm	ASTM D5185(m)		<1	<1	<1
	CONTAMINANT	S	method	limit/base	current	history1	history2
	Silicon	opm	ASTM D5185(m)	>25	7	6	4
	Sodium p	opm	ASTM D5185(m)		2	5	6
	Potassium	opm	ASTM D5185(m)	>20	0	<1	<1
	INFRA-RED		method	limit/base	current	history1	history2
	Soot %	%	ASTM D7844*	>4	0.5	0.7	0.7
	Nitration A	Abs/cm	ASTM D7624*	>20	7.7	8.0	8.0
		Abs/.1mm	ASTM D7415*	>30	21.0	21.7	21.4

DIAGNOSIS

Recommendation

Resample at the next service inte

Wear

All component wear rates are not

Contamination

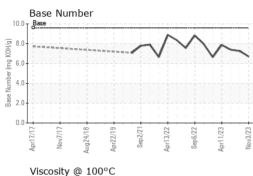
There is no indication of any cont oil.

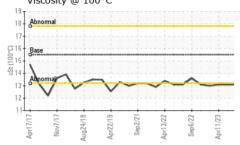
Fluid Condition

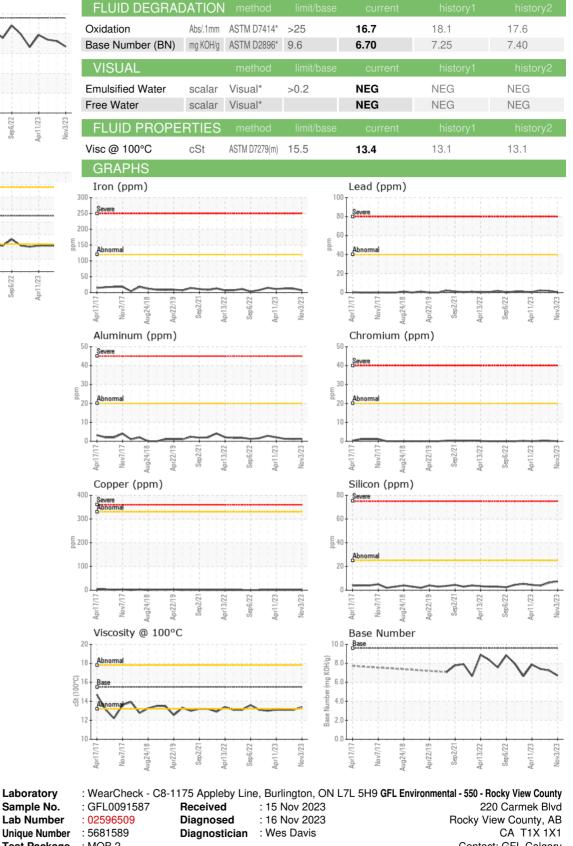
The BN result indicates that there alkalinity remaining in the oil. The oil is suitable for further service.



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.

Contact: GFL Calgary calgarymaintenance@gflenv.com Т: F: (403)369-6163



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CALA

Laboratory

Sample No.

Lab Number

Submitted By: GFL Calgary Page 2 of 2