



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
40 REID ST LAKEFIELD BELL CANADA BELL CANADA
 Component
Rear Diesel Engine
 Fluid
ESSO XD-3 EXTRA 15W40 (10 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PN0006331	PN0004555	---
Sample Date		Client Info		29 May 2024	25 May 2023	---
Machine Age	hrs	Client Info		142	121	---
Oil Age	hrs	Client Info		26	0	---
Filter Age	hrs	Client Info		26	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Not Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>100	4	17	---
Chromium	ppm	ASTM D5185(m)	>20	0	<1	---
Nickel	ppm	ASTM D5185(m)	>4	0	0	---
Titanium	ppm	ASTM D5185(m)		0	<1	---
Silver	ppm	ASTM D5185(m)	>3	0	<1	---
Aluminum	ppm	ASTM D5185(m)	>20	1	5	---
Lead	ppm	ASTM D5185(m)	>40	0	2	---
Copper	ppm	ASTM D5185(m)	>330	2	7	---
Tin	ppm	ASTM D5185(m)	>15	0	<1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

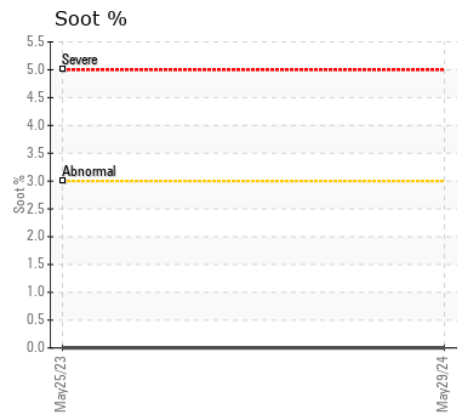
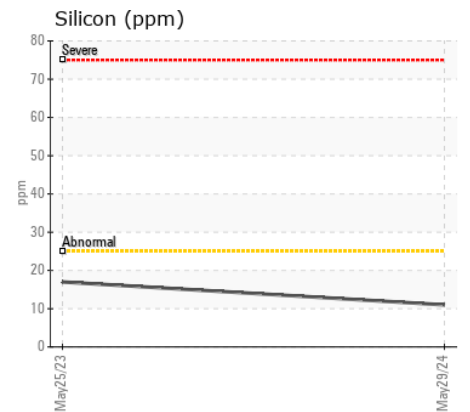
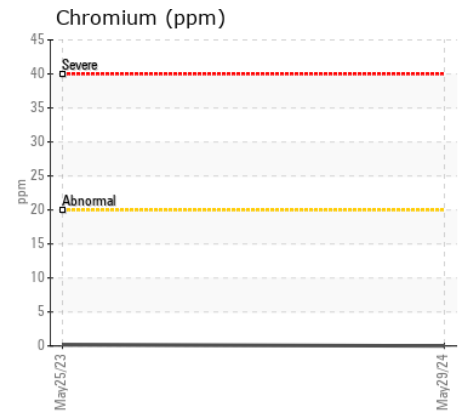
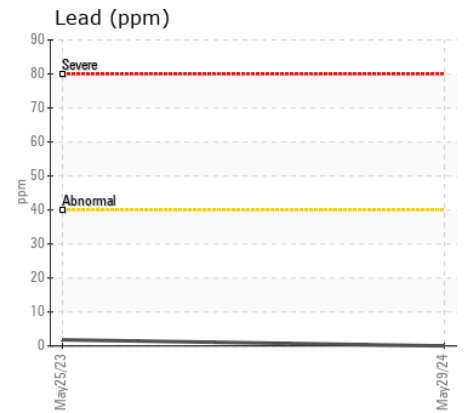
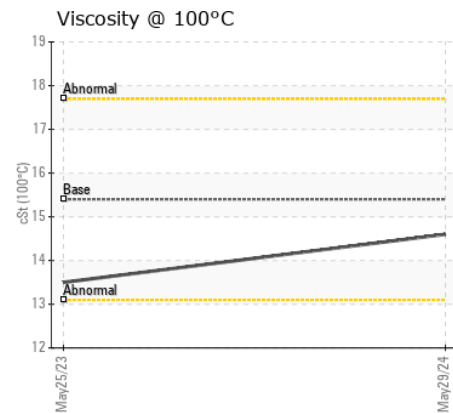
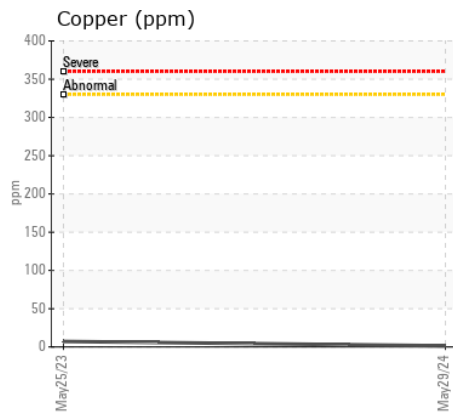
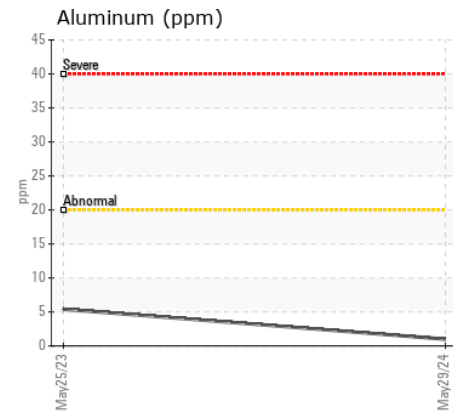
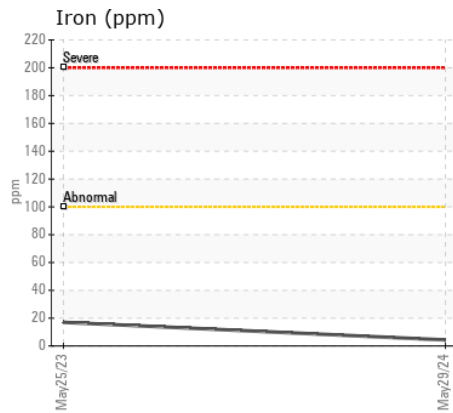
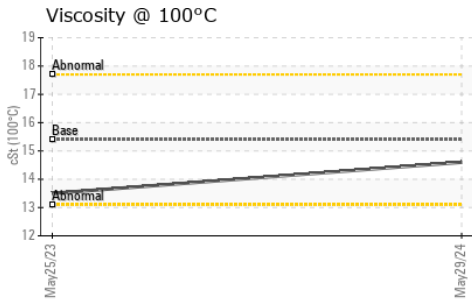
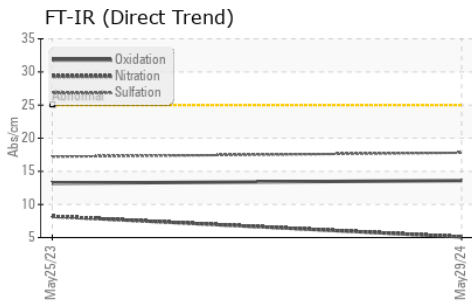
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	11	17	---
Potassium	ppm	ASTM D5185(m)	>20	<1	2	---
Fuel		WC Method	>5	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	ASTM D7844*	>3	0	0	---
Nitration	Abs/cm	ASTM D7624*	>20	5.1	8.2	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	17.8	17.2	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)	>192	2	4	---
Boron	ppm	ASTM D5185(m)		9	50	---
Barium	ppm	ASTM D5185(m)		0	0	---
Molybdenum	ppm	ASTM D5185(m)		49	12	---
Manganese	ppm	ASTM D5185(m)		<1	2	---
Magnesium	ppm	ASTM D5185(m)		828	176	---
Calcium	ppm	ASTM D5185(m)	3780	1185	2043	---
Phosphorus	ppm	ASTM D5185(m)	1370	989	1086	---
Zinc	ppm	ASTM D5185(m)	1500	1146	1135	---
Sulfur	ppm	ASTM D5185(m)	3800	2669	3412	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	13.6	13.2	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	14.6	13.5	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PN0006331 **Received** : 04 Jun 2024
Lab Number : 02639592 **Tested** : 05 Jun 2024
Unique Number : 5788754 **Diagnosed** : 05 Jun 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: Visual)

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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