



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[85468]

Machine Id
9 CHANNEL NINE CRT MISSISSAUGA BELL CANADA BELL CANADA

Component
Right Diesel Engine

Fluid
ESSO XD-3 EXTRA 15W40 (440 LTR)

RECOMMENDATION

Resample at the next service interval to monitor. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using MOB 3 test kits, this testkit includes Analytical Ferrography which provides a detailed morphological analysis of wear particles present in the fluid. this testkit includes BN to determine the suitability of the oil for continued use.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PN0005964	PN0004618	PN0002457
Sample Date		Client Info		24 Jan 2024	22 Mar 2023	14 Oct 2021
Machine Age	hrs	Client Info		2439	2277	1623
Oil Age	hrs	Client Info		163	345	499
Filter Age	hrs	Client Info		163	345	0
Oil Changed		Client Info		Changed	Changed	N/A
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

Component wear rates appear to be normal (unconfirmed).

Iron	ppm	ASTM D5185(m)	>100	4	7	7
Chromium	ppm	ASTM D5185(m)	>20	0	0	<1
Nickel	ppm	ASTM D5185(m)	>2	0	<1	0
Titanium	ppm	ASTM D5185(m)	>2	0	<1	0
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>25	1	2	1
Lead	ppm	ASTM D5185(m)	>40	0	<1	0
Copper	ppm	ASTM D5185(m)	>330	<1	1	2
Tin	ppm	ASTM D5185(m)	>15	0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

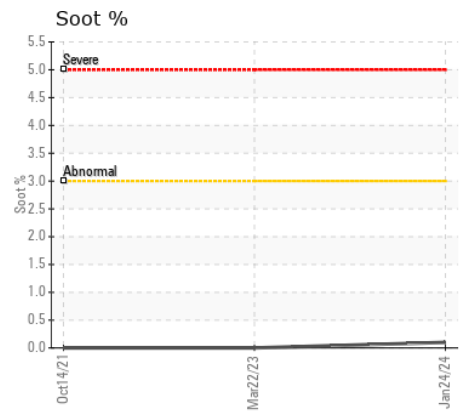
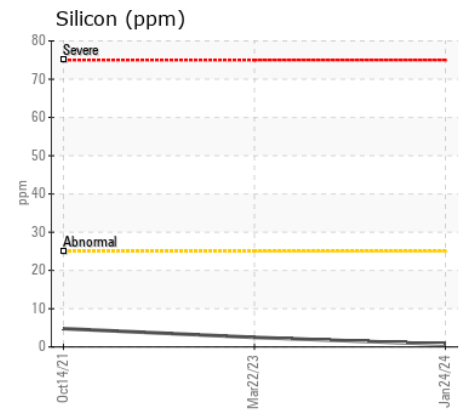
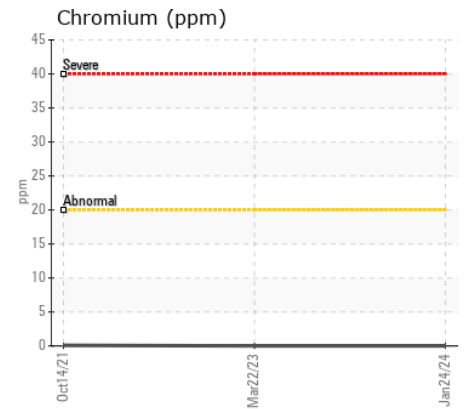
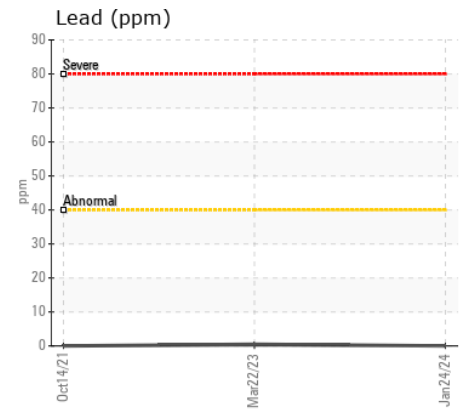
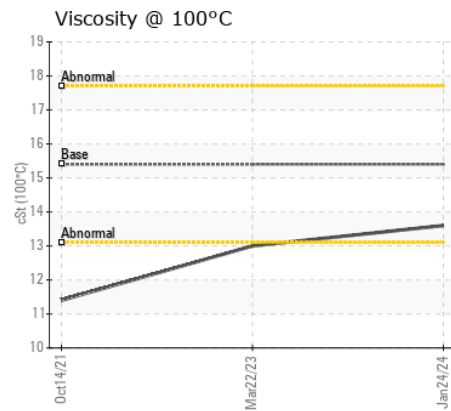
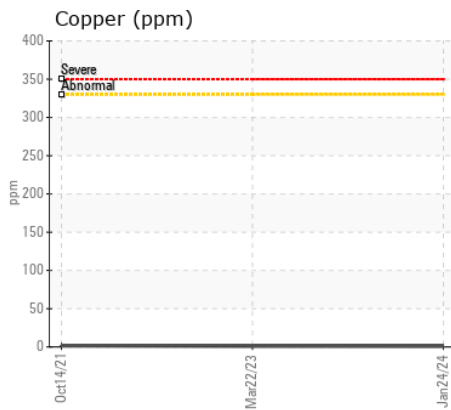
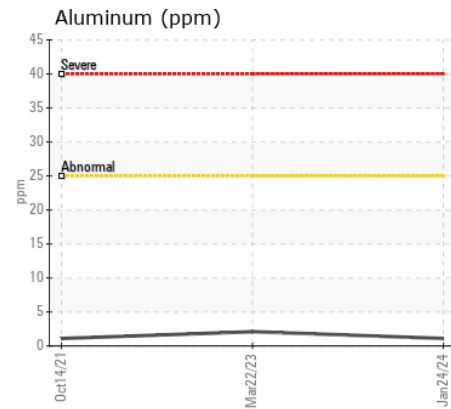
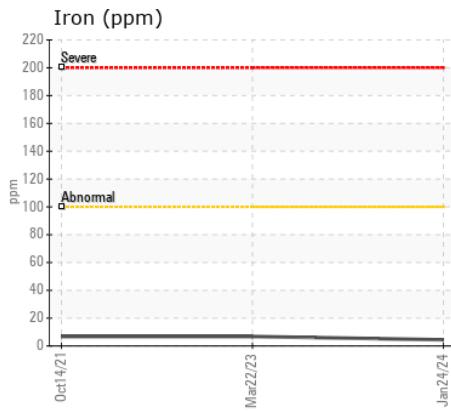
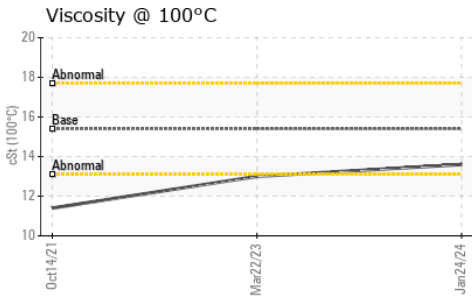
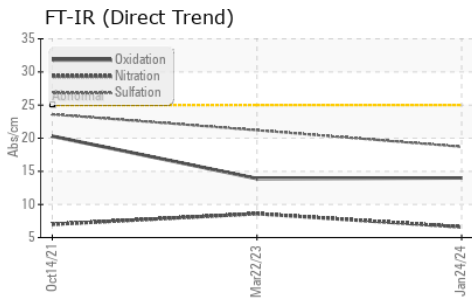
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<1	2	5
Potassium	ppm	ASTM D5185(m)	>20	0	<1	<1
Fuel		WC Method	>5	<1.0	1.8	1
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0.1	0	0
Nitration	Abs/cm	ASTM D7624*	>20	6.6	8.6	7.0
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.7	21.2	23.6
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)	>192	1	1	3
Boron	ppm	ASTM D5185(m)		17	52	50
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		44	16	48
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)		674	46	477
Calcium	ppm	ASTM D5185(m)	3780	1406	2314	1804
Phosphorus	ppm	ASTM D5185(m)	1370	998	1134	1023
Zinc	ppm	ASTM D5185(m)	1500	1164	1213	1166
Sulfur	ppm	ASTM D5185(m)	3800	2795	3327	2734
Oxidation	Abs/.1mm	ASTM D7414*	>25	14.0	13.9	20.3
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	13.6	13.0	▲ 11.4



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PN0005964
Lab Number : 02628413
Unique Number : 5761545
Test Package : MOB 1
Received : 12 Apr 2024
Tested : 12 Apr 2024
Diagnosed : 12 Apr 2024 - Wes Davis

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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.