



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
40 MILL ST, (BORDON) ANGUS MOB#64-16993 BELL CANADA-MOBILE U502575H

Component
Left 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		PN0005903	PN0002349	PN0001019
Sample Date		Client Info		28 Feb 2024	08 Apr 2021	07 May 2020
Machine Age	hrs	Client Info		543	479	458
Oil Age	hrs	Client Info		28	0	12
Filter Age	hrs	Client Info		28	0	12
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>250	3	3	3
Chromium	ppm	ASTM D5185(m)	>10	0	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	0	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>35	2	2	1
Lead	ppm	ASTM D5185(m)	>100	<1	<1	<1
Copper	ppm	ASTM D5185(m)	>60	1	2	2
Tin	ppm	ASTM D5185(m)	>5	0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	<1	0

CONTAMINATION

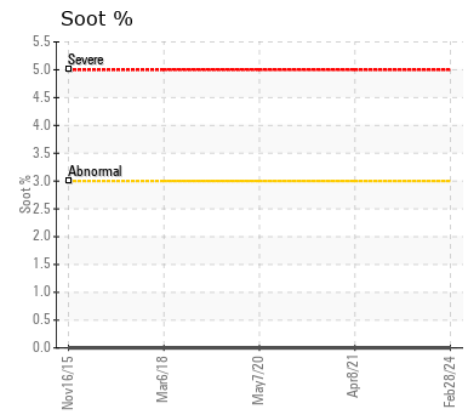
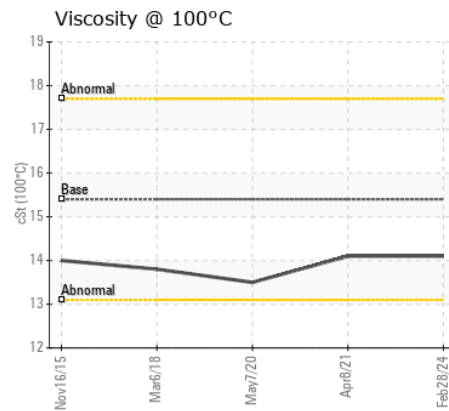
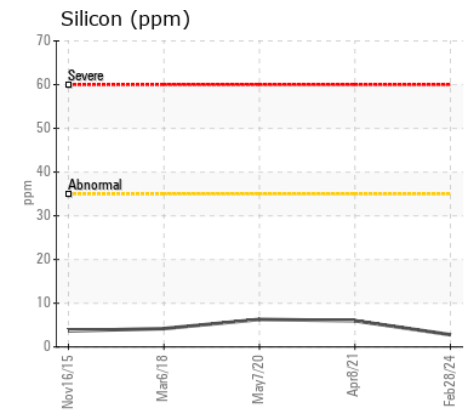
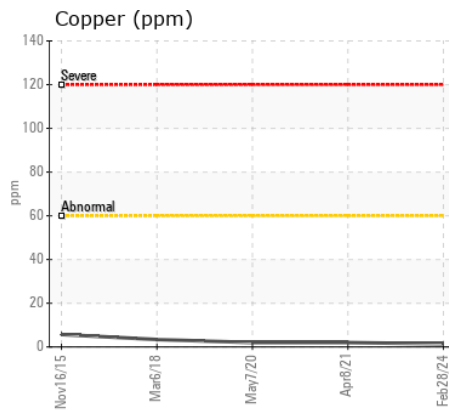
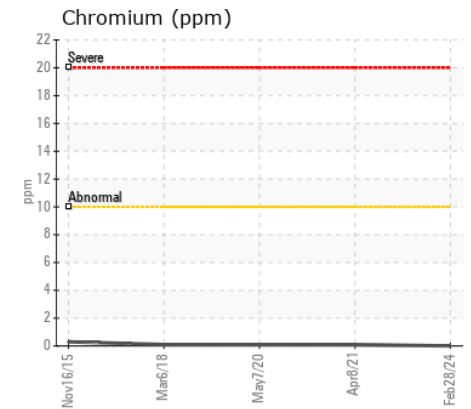
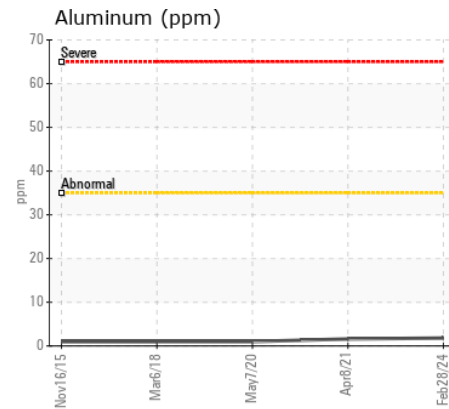
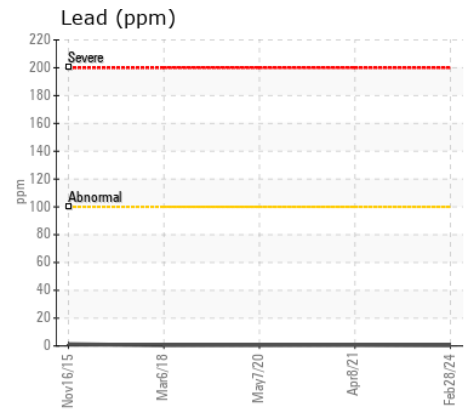
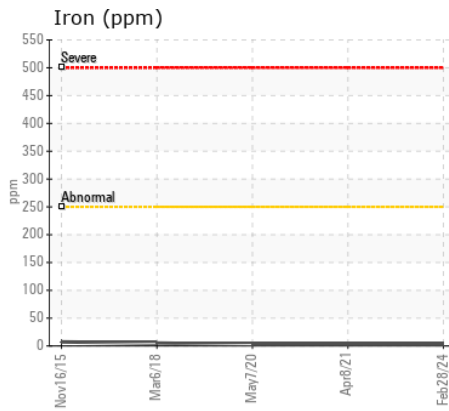
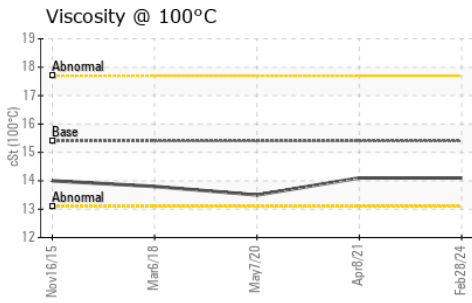
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>35	3	6	6
Potassium	ppm	ASTM D5185(m)	>20	1	<1	<1
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	7.6	7.0	6.3
Sulfation	Abs/.1mm	ASTM D7415*	>30	17.2	19.6	25.7
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)	>192	1	3	2
Boron	ppm	ASTM D5185(m)		64	64	62
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		22	66	34
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)		44	205	534
Calcium	ppm	ASTM D5185(m)	3780	2092	1953	1628
Phosphorus	ppm	ASTM D5185(m)	1370	988	895	739
Zinc	ppm	ASTM D5185(m)	1500	1082	1075	867
Sulfur	ppm	ASTM D5185(m)	3800	3404	2972	2204
Oxidation	Abs/.1mm	ASTM D7414*	>25	12.8	15.5	18.6
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	14.1	14.1	13.5



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PN0005903 **Received** : 07 Mar 2024
Lab Number : 02620469 **Tested** : 07 Mar 2024
Unique Number : 5737579 **Diagnosed** : 07 Mar 2024 - Wes Davis
Test Package : MOB 1

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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.