



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**137 AIRD ST GRAFTON BELL CANADA MOB 64-R-05265**  
 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		<b>PN0006101</b>	PN0003633	PN0002236
Sample Date		Client Info		<b>22 Apr 2024</b>	21 Jun 2022	16 Mar 2021
Machine Age	hrs	Client Info		<b>402</b>	383	252
Oil Age	hrs	Client Info		<b>0</b>	130	5
Filter Age	hrs	Client Info		<b>0</b>	130	5
Oil Changed		Client Info		<b>Changed</b>	Changed	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	Changed	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL

**WEAR**

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>250	<b>4</b>	5	2
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	6	0
Aluminum	ppm	ASTM D5185(m)	>35	<b>3</b>	2	2
Lead	ppm	ASTM D5185(m)	>100	<b>&lt;1</b>	1	3
Copper	ppm	ASTM D5185(m)	>60	<b>3</b>	3	4
Tin	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---

**CONTAMINATION**

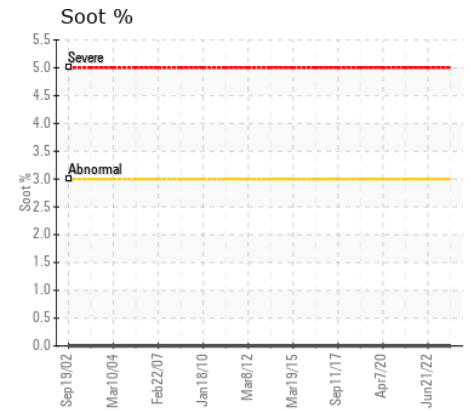
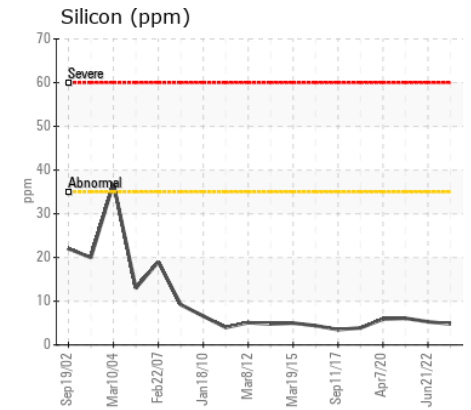
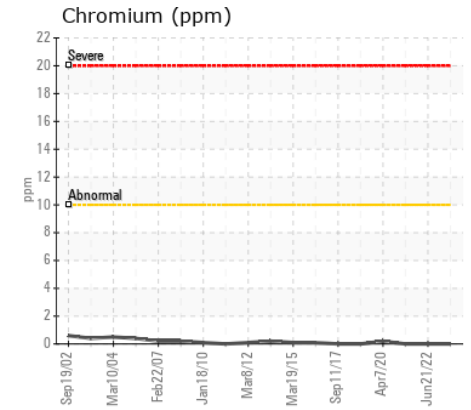
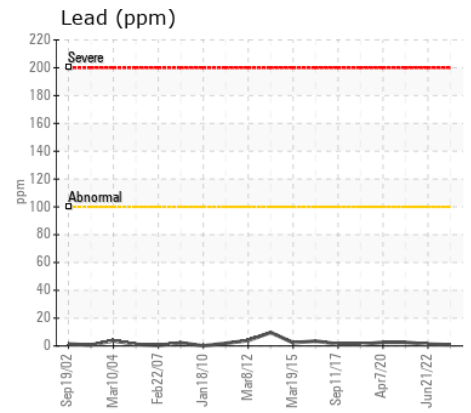
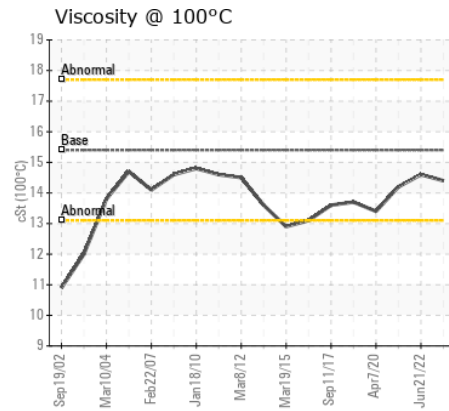
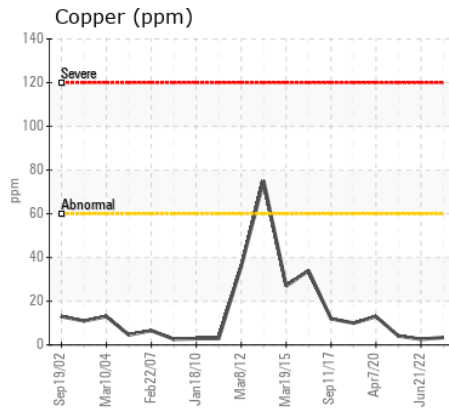
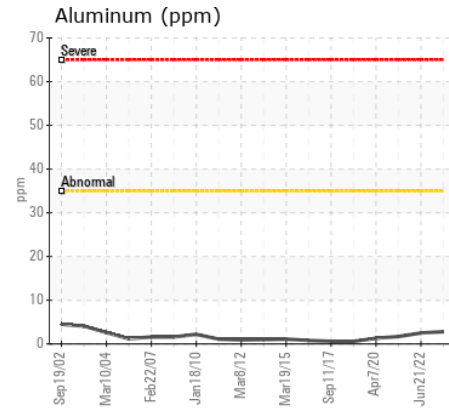
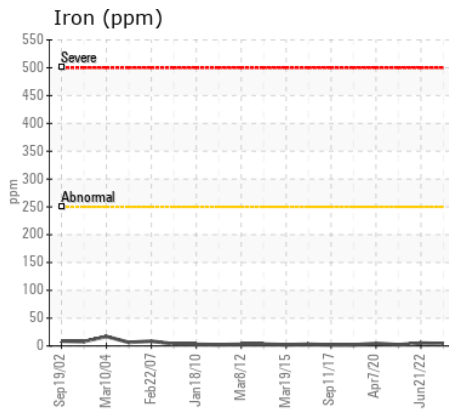
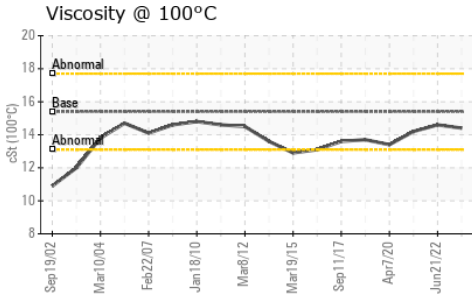
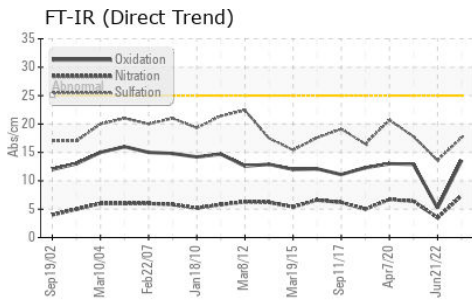
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>35	<b>5</b>	5	6
Potassium	ppm	ASTM D5185(m)	>20	<b>4</b>	6	▲ 11
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	0.0	▲ 0.078
Soot %	%	ASTM D7844*	>3	<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>7.4</b>	3.5	6.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>17.6</b>	13.6	17.8
Silt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185(m)	>192	<b>9</b>	11	15
Boron	ppm	ASTM D5185(m)		<b>54</b>	40	51
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>86</b>	83	62
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)		<b>72</b>	96	332
Calcium	ppm	ASTM D5185(m)	3780	<b>2147</b>	2283	1692
Phosphorus	ppm	ASTM D5185(m)	1370	<b>1020</b>	971	903
Zinc	ppm	ASTM D5185(m)	1500	<b>1159</b>	1146	1089
Sulfur	ppm	ASTM D5185(m)	3800	<b>3130</b>	3150	3023
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>13.6</b>	5.2	12.9
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	<b>14.4</b>	14.6	14.2



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PN0006101  
**Lab Number** : 02631476  
**Unique Number** : 5772629  
**Test Package** : MOB 1 ( Additional Tests: Visual )

**Received** : 26 Apr 2024  
**Tested** : 26 Apr 2024  
**Diagnosed** : 26 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.