



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

Machine Id  
**19 SOUTHWICK DR ST THOMAS BELL CANADA MOB#64R-01179**

Component  
**Rear Diesel Engine**

Fluid  
**ESSO XD-3 EXTRA 15W40 (10 LTR)**

**RECOMMENDATION**

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PN0006029</b>	PN0004067	PN0002161
Sample Date		Client Info		<b>29 Apr 2024</b>	21 Sep 2022	30 Mar 2021
Machine Age	hrs	Client Info		<b>400</b>	421	386
Oil Age	hrs	Client Info		<b>0</b>	35	0
Filter Age	hrs	Client Info		<b>0</b>	35	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>250	<b>3</b>	4	8
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185(m)	>35	<b>2</b>	3	2
Lead	ppm	ASTM D5185(m)	>100	<b>0</b>	0	<1
Copper	ppm	ASTM D5185(m)	>60	<b>&lt;1</b>	<1	2
Tin	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

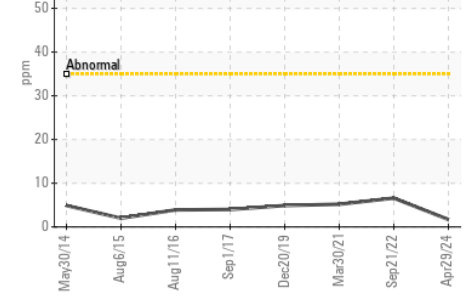
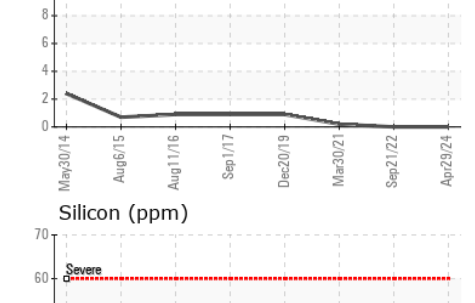
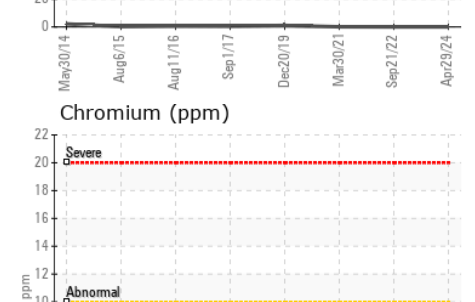
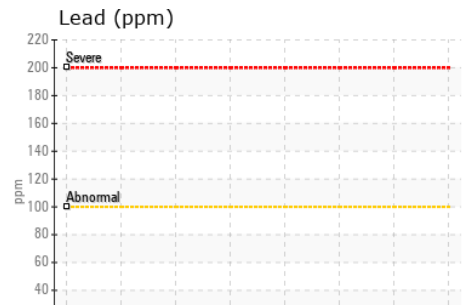
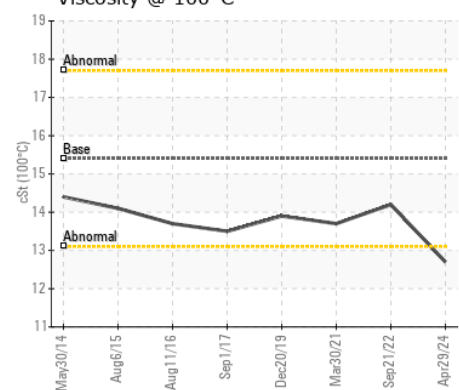
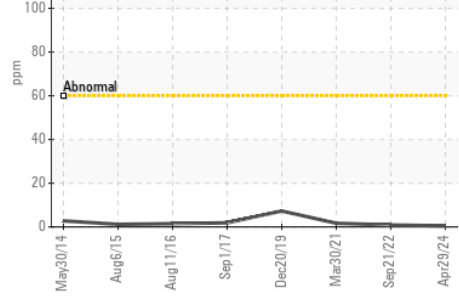
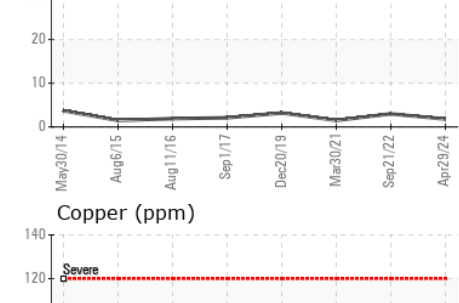
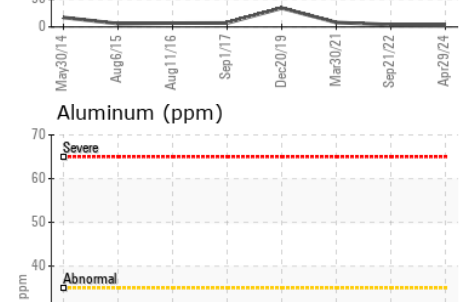
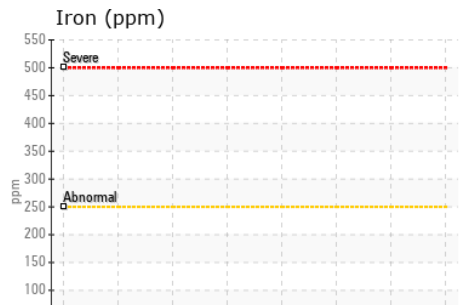
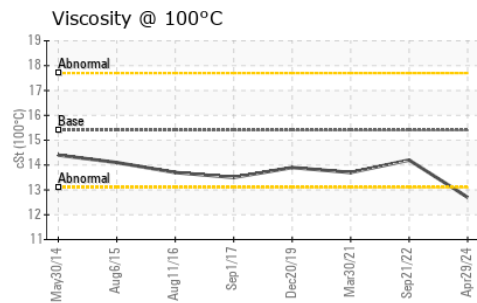
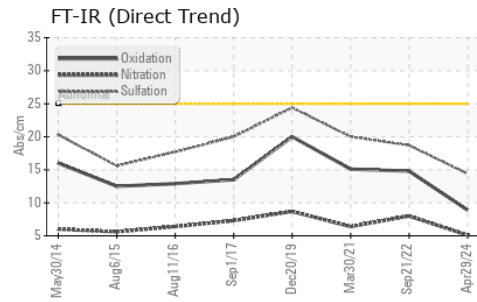
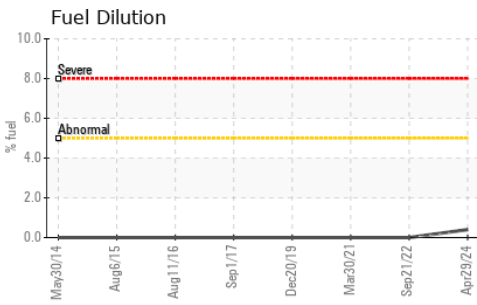
Fuel content negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>35	<b>2</b>	7	5
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	0	2
Fuel	%	ASTM D7593*	>5	<b>0.4</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	ASTM D7844*	>3	<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>5.1</b>	8.0	6.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>14.4</b>	18.7	20.0
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>1</b>	3	3
Boron	ppm	ASTM D5185(m)		<b>36</b>	70	72
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>25</b>	74	14
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)		<b>65</b>	118	620
Calcium	ppm	ASTM D5185(m)	3780	<b>2209</b>	2070	1398
Phosphorus	ppm	ASTM D5185(m)	1370	<b>968</b>	1016	697
Zinc	ppm	ASTM D5185(m)	1500	<b>1085</b>	1065	828
Sulfur	ppm	ASTM D5185(m)	3800	<b>2648</b>	3065	2388
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>8.9</b>	14.8	15.1
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	<b>12.7</b>	14.2	13.7



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PN0006029 **Received** : 01 May 2024  
**Lab Number** : 02632493 **Tested** : 02 May 2024  
**Unique Number** : 5773646 **Diagnosed** : 02 May 2024 - Wes Davis  
**Test Package** : MOB 1 ( Additional Tests: FuelDilution, PercentFuel )

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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