



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

Area

[85549]

Machine Id

2951 KING ST VICTORIA NEXACOR U9805436

Component

Left Diesel Engine

Fluid

ESSO XD-3 EXTRA 15W40 (8 LTR)

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PN0006043</b>	PN868393	PN840790A
Sample Date		Client Info		<b>09 Apr 2024</b>	13 Apr 2012	17 May 2011
Machine Age	hrs	Client Info		<b>221</b>	69	64
Oil Age	hrs	Client Info		<b>12</b>	4	22
Filter Age	hrs	Client Info		<b>12</b>	4	22
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>1</b>	2	4
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>35	<b>2</b>	<1	1
Lead	ppm	ASTM D5185(m)	>100	<b>6</b>	1	1
Copper	ppm	ASTM D5185(m)	>60	<b>4</b>	1	2
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>	---	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	NONE

**CONTAMINATION**

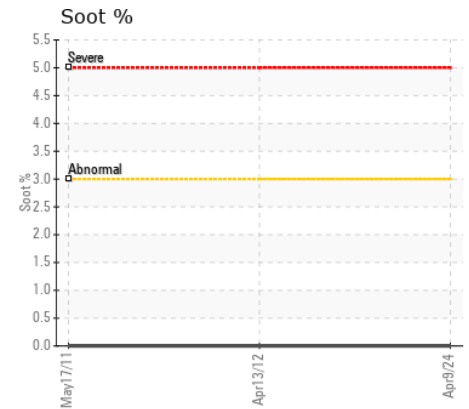
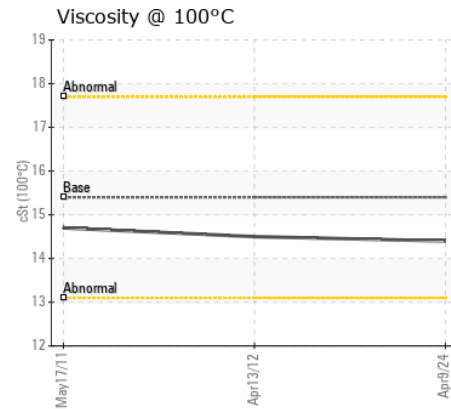
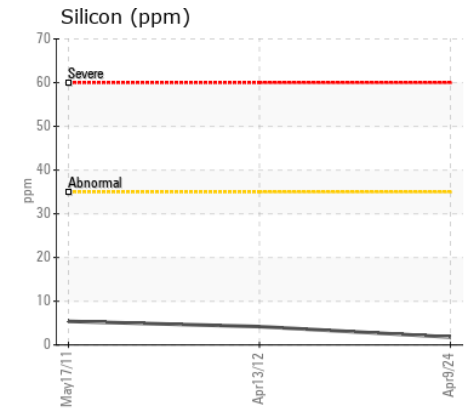
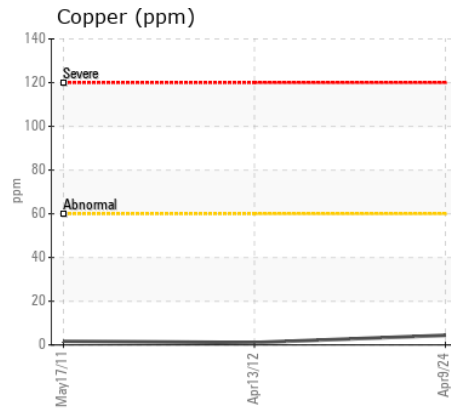
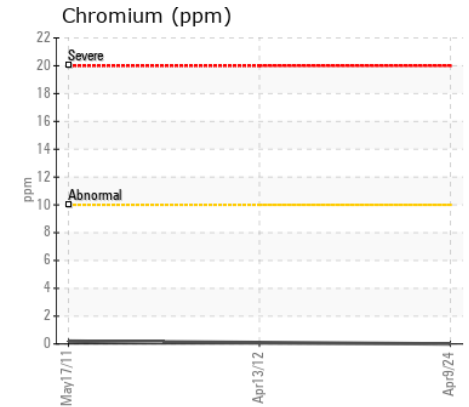
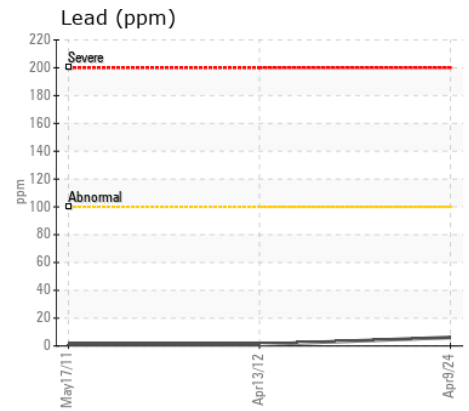
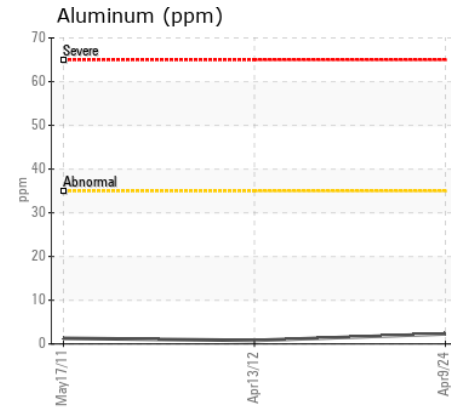
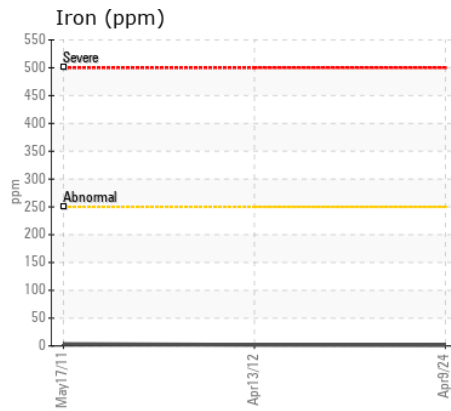
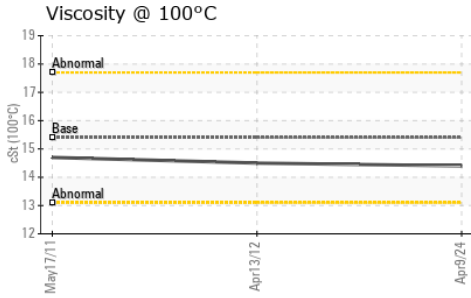
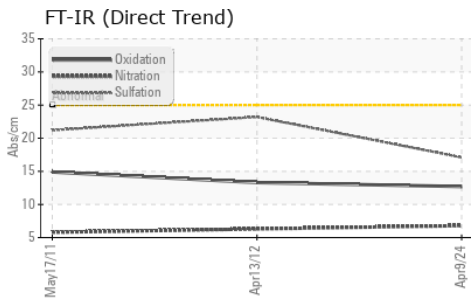
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>35	<b>2</b>	4	5
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	2	2
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>	NEG	NEG
Soot %	%	ASTM D7844*	>3	<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>6.8</b>	6.3	5.8
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>17.1</b>	23.2	21.2
Silt	scalar	Visual*	NONE	<b>NONE</b>	---	NONE
Debris	scalar	Visual*	NONE	<b>VLITE</b>	---	VLITE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	---	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	NORML
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>3</b>	2	7
Boron	ppm	ASTM D5185(m)		<b>61</b>	2	3
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>71</b>	23	3
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)		<b>205</b>	509	10
Calcium	ppm	ASTM D5185(m)	3780	<b>1886</b>	1578	2352
Phosphorus	ppm	ASTM D5185(m)	1370	<b>932</b>	905	1024
Zinc	ppm	ASTM D5185(m)	1500	<b>1049</b>	1172	1259
Sulfur	ppm	ASTM D5185(m)	3800	<b>2845</b>	3582	3409
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>12.7</b>	13.3	14.9
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	<b>14.4</b>	14.5	14.7



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PN0006043 **Received** : 17 Apr 2024  
**Lab Number** : 02629493 **Tested** : 17 Apr 2024  
**Unique Number** : 5762625 **Diagnosed** : 17 Apr 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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