



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

Area  
**[85505]**  
 Machine Id  
**1980 ST. CLAIR AVE W TORONTO RIO CAN 39003045**  
 Component  
**Left Natural Gas Engine**  
 Fluid  
**ESSO XD-3 EXTRA 15W40 (15 LTR)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PN0005978</b>	PN0004702	---
Sample Date		Client Info		<b>04 Apr 2024</b>	06 Apr 2023	---
Machine Age	hrs	Client Info		<b>418</b>	408	---
Oil Age	hrs	Client Info		<b>10</b>	0	---
Filter Age	hrs	Client Info		<b>10</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>Changed</b>	Not Changed	---
Sample Status				<b>NORMAL</b>	ABNORMAL	---

**WEAR**

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>50	<b>3</b>	4	---
Chromium	ppm	ASTM D5185(m)	>4	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>9	<b>&lt;1</b>	2	---
Lead	ppm	ASTM D5185(m)	>30	<b>0</b>	2	---
Copper	ppm	ASTM D5185(m)	>35	<b>2</b>	6	---
Tin	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---

**CONTAMINATION**

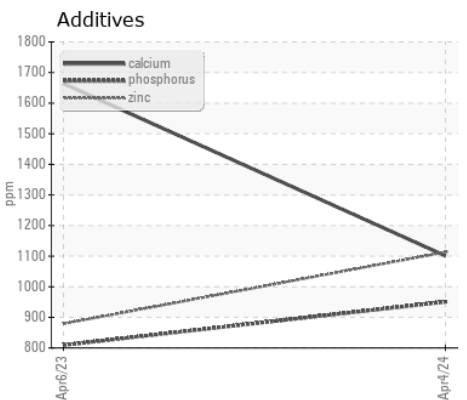
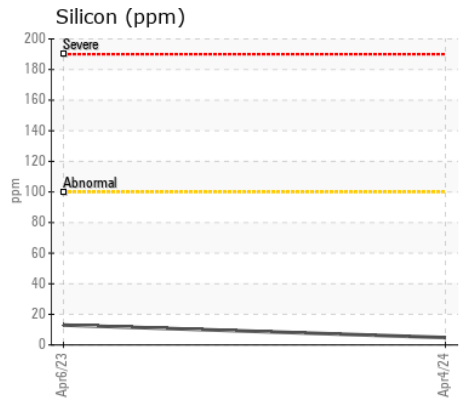
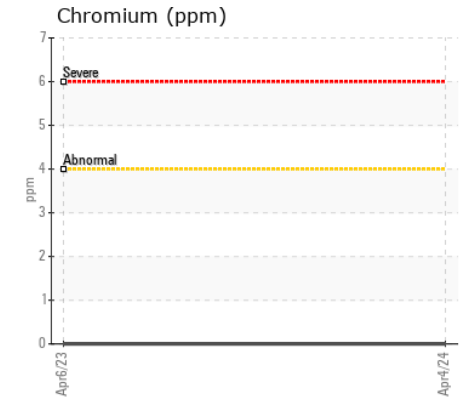
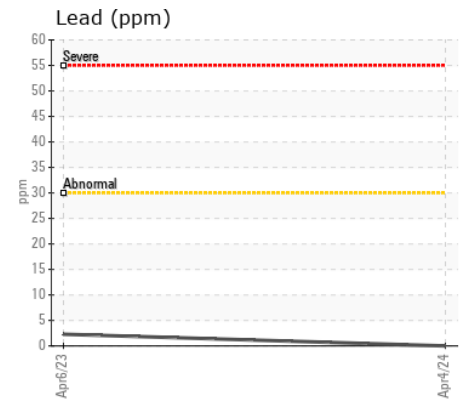
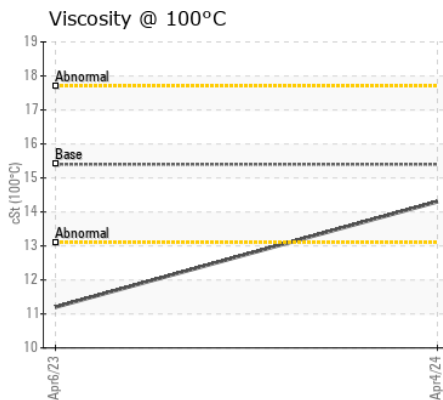
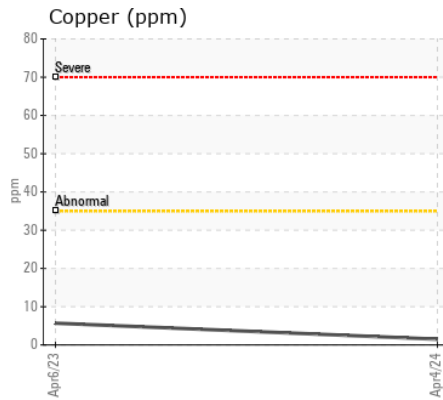
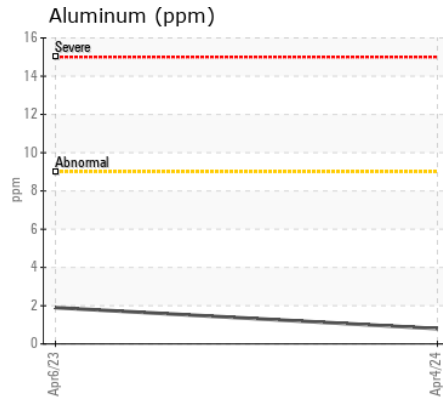
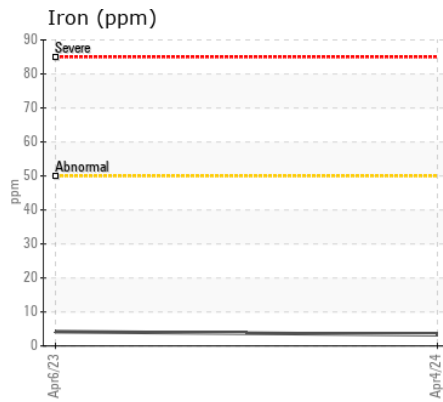
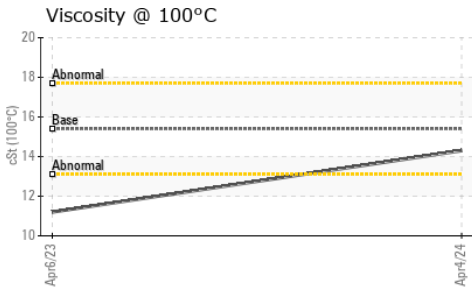
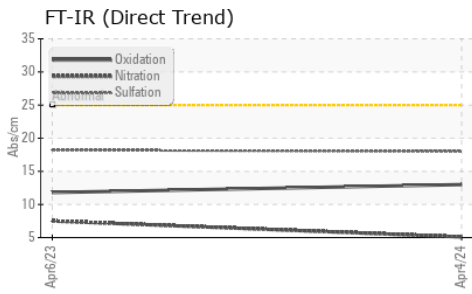
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>+100	<b>5</b>	13	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Soot %	%	ASTM D7844*		<b>0</b>	0	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>5.1</b>	7.5	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>18.0</b>	18.2	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Debris	scalar	Visual*	NONE	<b>VLITE</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*	>0.1	<b>NEG</b>	NEG	---

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185(m)	>192	<b>2</b>	5	---
Boron	ppm	ASTM D5185(m)		<b>19</b>	130	---
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)		<b>60</b>	75	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185(m)		<b>847</b>	427	---
Calcium	ppm	ASTM D5185(m)	3780	<b>1101</b>	1664	---
Phosphorus	ppm	ASTM D5185(m)	1370	<b>951</b>	809	---
Zinc	ppm	ASTM D5185(m)	1500	<b>1113</b>	879	---
Sulfur	ppm	ASTM D5185(m)	3800	<b>2582</b>	2707	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>13.0</b>	11.8	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	<b>14.3</b>	▲ 11.2	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PN0005978 **Received** : 09 Apr 2024  
**Lab Number** : 02627570 **Tested** : 09 Apr 2024  
**Unique Number** : 5760702 **Diagnosed** : 09 Apr 2024 - Wes Davis  
**Test Package** : MOB 1 ( Additional Tests: Visual )

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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.