



Machine Id  
**717 HOUSTON RD, UXBRIDGE NEXACOR UXBRIDGE TOWER**

Component  
**Left Diesel Engine**

Fluid  
**ESSO XD-3 EXTRA 15W40 (20 LTR)**

**RECOMMENDATION**

We advise that you check the fuel injection system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PN0006065</b>	PN0004770	PN0003668
Sample Date		Client Info		<b>27 May 2024</b>	26 May 2023	08 Jun 2022
Machine Age	hrs	Client Info		<b>856</b>	827	796
Oil Age	hrs	Client Info		<b>29</b>	30	0
Filter Age	hrs	Client Info		<b>29</b>	30	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>SEVERE</b>	SEVERE	SEVERE

**WEAR**

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>250	<b>2</b>	4	6
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>	0	0
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>35	<b>&lt;1</b>	2	2
Lead	ppm	ASTM D5185(m)	>100	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>60	<b>1</b>	1	3
Tin	ppm	ASTM D5185(m)	>5	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

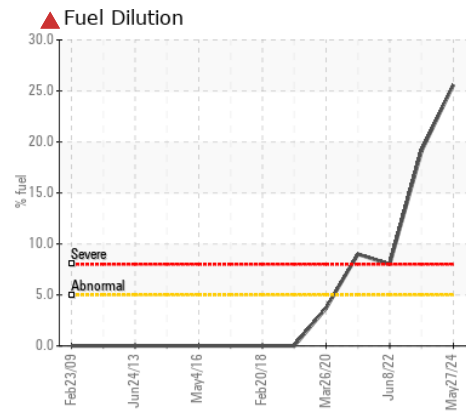
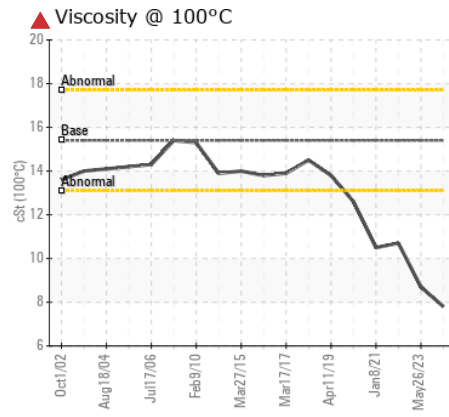
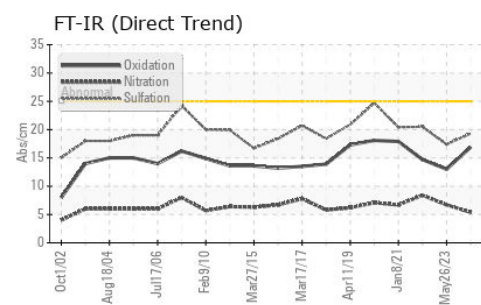
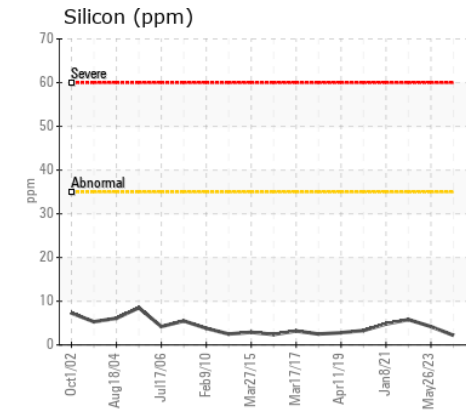
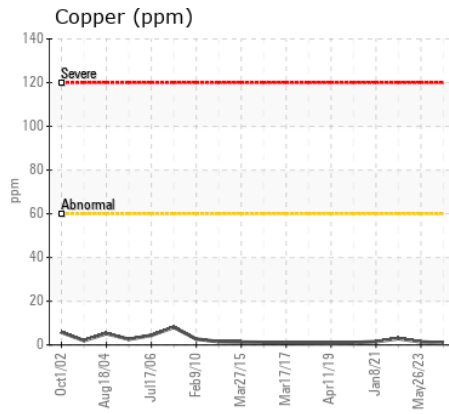
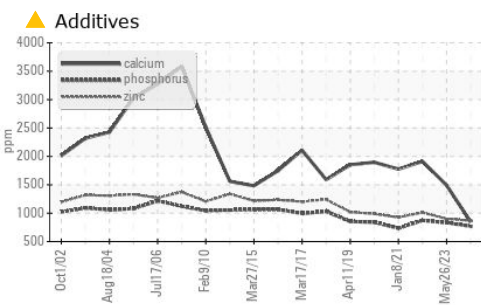
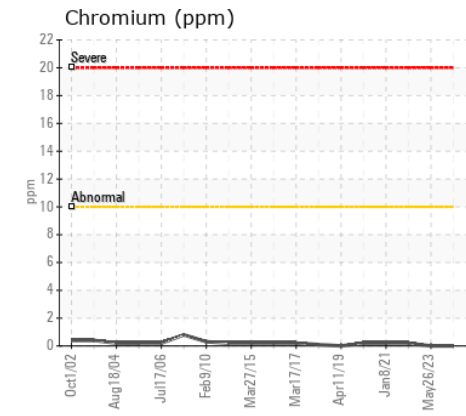
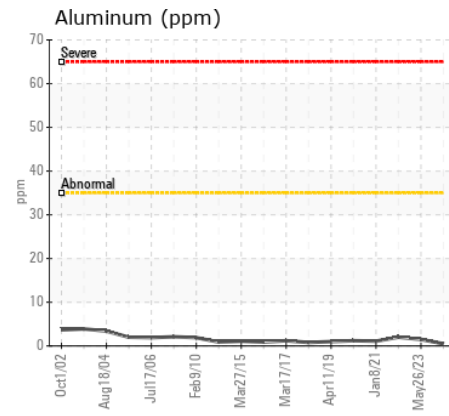
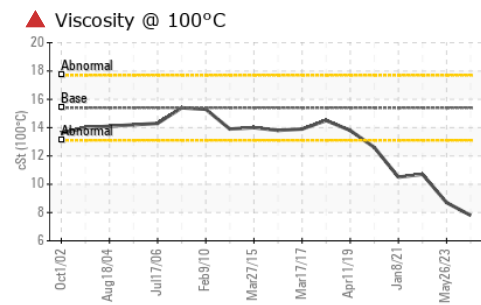
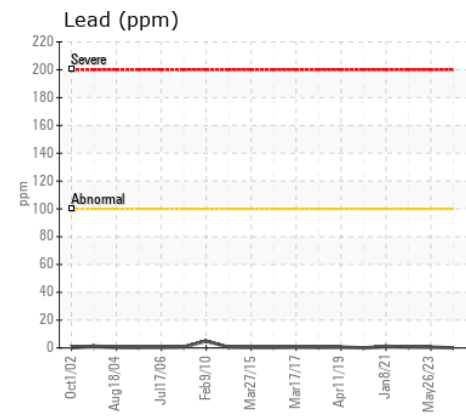
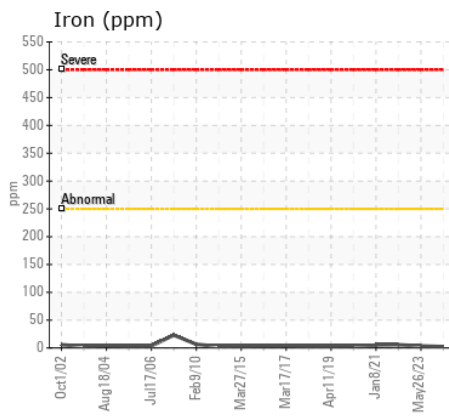
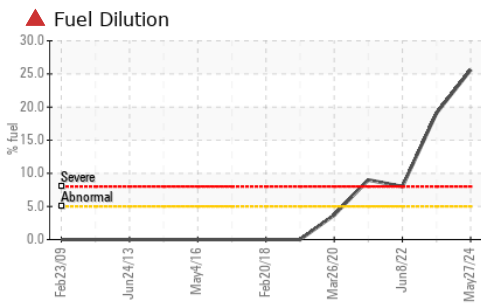
There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

Silicon	ppm	ASTM D5185(m)	>35	<b>2</b>	4	6
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	1	0
Fuel	%	ASTM D7593*	>5	<b>▲ 25.6</b>	▲ 19.1	▲ 8
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>5.4</b>	6.7	8.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>19.3</b>	17.4	20.5
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

Visc @ 100°C is severely low. Sulfur ppm levels are abnormally low. Calcium ppm levels are abnormally low. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185(m)	>192	<b>&lt;1</b>	2	2
Boron	ppm	ASTM D5185(m)		<b>5</b>	30	53
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>45</b>	60	86
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185(m)		<b>688</b>	379	182
Calcium	ppm	ASTM D5185(m)	3780	<b>▲ 847</b>	1493	1912
Phosphorus	ppm	ASTM D5185(m)	1370	<b>768</b>	833	873
Zinc	ppm	ASTM D5185(m)	1500	<b>868</b>	900	1012
Sulfur	ppm	ASTM D5185(m)	3800	<b>▲ 1964</b>	2388	2721
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>16.9</b>	13.0	14.7
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	<b>▲ 7.8</b>	▲ 8.7	▲ 10.7



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PN0006065 **Received** : 30 May 2024  
**Lab Number** : 02638823 **Tested** : 31 May 2024  
**Unique Number** : 5787985 **Diagnosed** : 31 May 2024 - Wes Davis  
**Test Package** : MOB 1 ( Additional Tests: PercentFuel )

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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.