



Area

[85533]

Machine Id

870 4TH AVE OWEN SOUND BELL CANADA U010156H

Component

Right Diesel Engine

Fluid

ESSO XD-3 EXTRA 15W40 (15 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		PN0006022	---	---
Sample Date		Client Info		05 Apr 2024	---	---
Machine Age	hrs	Client Info		20	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Not Changed	---	---
Filter Changed		Client Info		Not Changed	---	---
Sample Status				ABNORMAL	---	---

**WEAR**

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>250	8	---	---
Chromium	ppm	ASTM D5185(m)	>10	0	---	---
Nickel	ppm	ASTM D5185(m)	>5	<1	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>3	0	---	---
Aluminum	ppm	ASTM D5185(m)	>35	2	---	---
Lead	ppm	ASTM D5185(m)	>100	0	---	---
Copper	ppm	ASTM D5185(m)	>60	6	---	---
Tin	ppm	ASTM D5185(m)	>5	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

**CONTAMINATION**

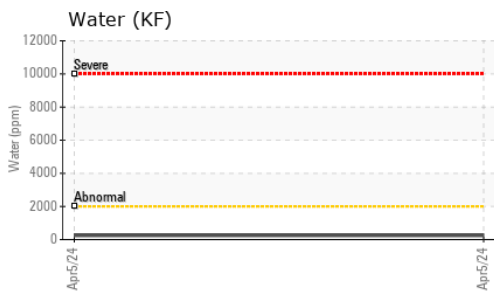
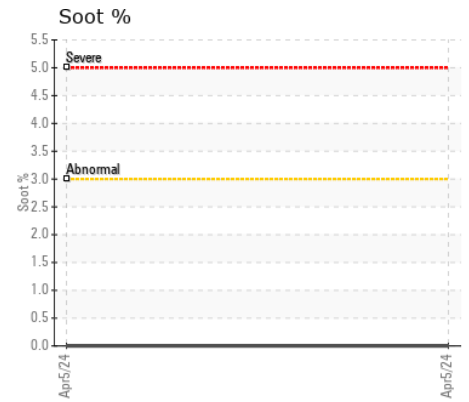
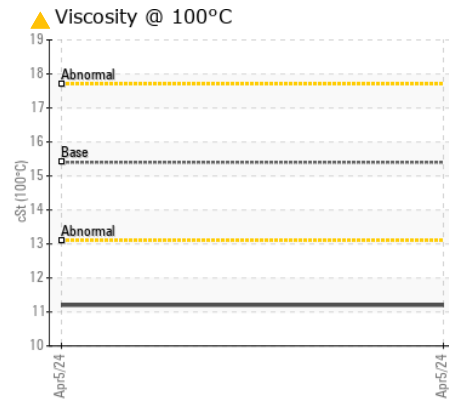
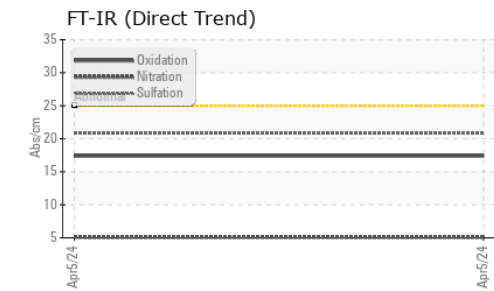
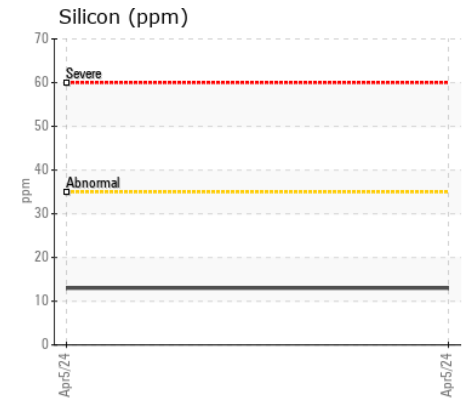
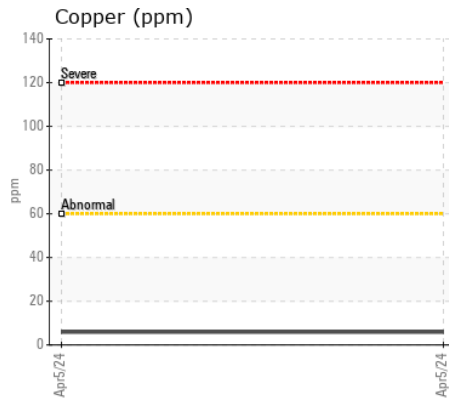
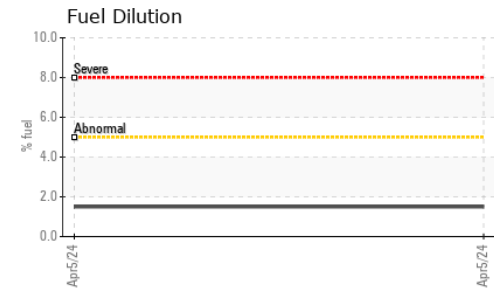
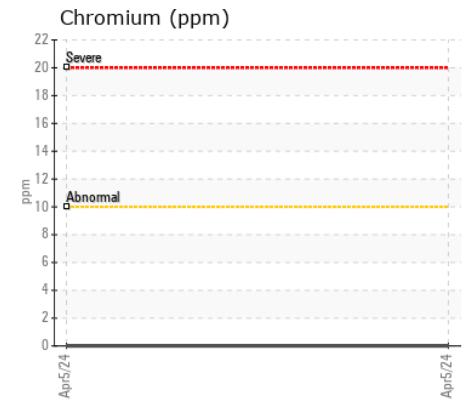
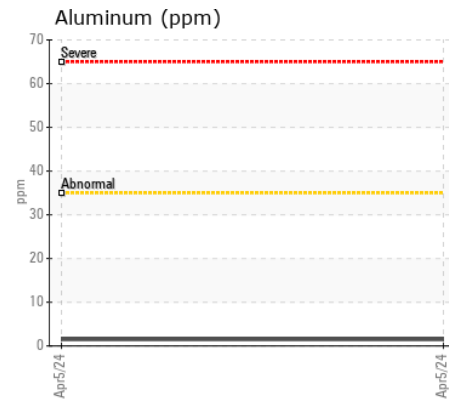
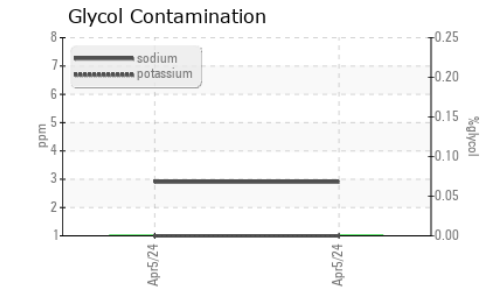
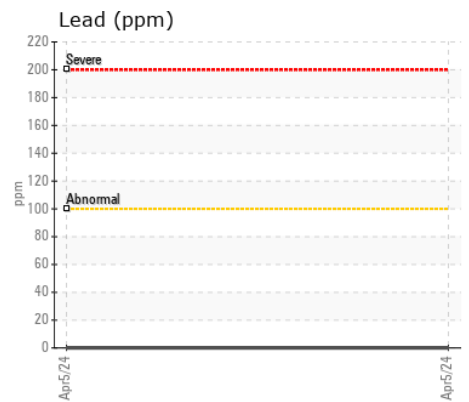
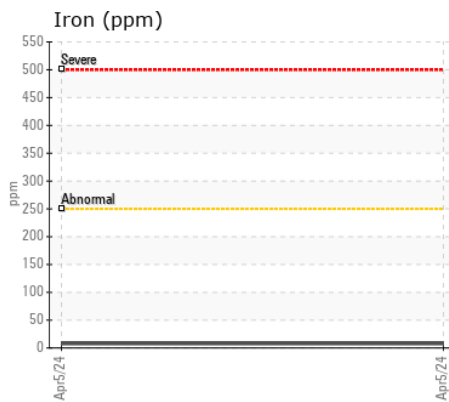
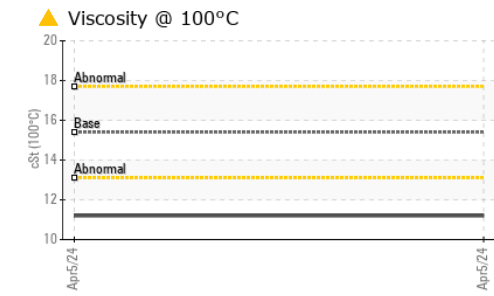
Light fuel dilution occurring. The water content is negligible. No other contaminants were detected in the oil.

Silicon	ppm	ASTM D5185(m)	>35	13	---	---
Potassium	ppm	ASTM D5185(m)	>20	1	---	---
Fuel	%	ASTM D7593*	>5	1.5	---	---
Water	%	ASTM D6304*	>0.2	0.024	---	---
ppm Water	ppm	ASTM D6304*	>2000	250	---	---
Glycol	%	ASTM D7922*		0.0	---	---
Soot %	%	ASTM D7844*	>3	0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	5.1	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.8	---	---
Emulsified Water	scalar	Visual*	>0.2	.2%	---	---

**FLUID CONDITION**

Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)	>192	3	---	---
Boron	ppm	ASTM D5185(m)		52	---	---
Barium	ppm	ASTM D5185(m)		3	---	---
Molybdenum	ppm	ASTM D5185(m)		30	---	---
Manganese	ppm	ASTM D5185(m)		5	---	---
Magnesium	ppm	ASTM D5185(m)		390	---	---
Calcium	ppm	ASTM D5185(m)	3780	1654	---	---
Phosphorus	ppm	ASTM D5185(m)	1370	869	---	---
Zinc	ppm	ASTM D5185(m)	1500	1002	---	---
Sulfur	ppm	ASTM D5185(m)	3800	2482	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.4	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	▲ 11.2	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PN0006022 **Received** : 12 Apr 2024  
**Lab Number** : 02628409 **Tested** : 15 Apr 2024  
**Unique Number** : 5761541 **Diagnosed** : 15 Apr 2024 - Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: FuelDilution, Glycol, KF, 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.