



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area  
**(GMN) City Of Mount Pearl**  
Machine Id  
**INTERNATIONAL Dual Arm Garbage Truck, 20-15G**  
Component  
**Diesel Engine**  
Fluid  
**IRVING IDO PREMIUM PLUS 15W40 (24 LTR)**

**RECOMMENDATION**

Resample at the next service interval to monitor. ( Customer Sample Comment: Before G2F )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>OF0000323</b>	---	---
Sample Date		Client Info		<b>08 Feb 2021</b>	---	---
Machine Age	hrs	Client Info		<b>210</b>	---	---
Oil Age	hrs	Client Info		<b>210</b>	---	---
Filter Age	hrs	Client Info		<b>210</b>	---	---
Oil Changed		Client Info		<b>Changed</b>	---	---
Filter Changed		Client Info		<b>Changed</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

**WEAR**

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>90	<b>29</b>	---	---
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>4</b>	---	---
Lead	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185(m)	>330	<b>18</b>	---	---
Tin	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---

**CONTAMINATION**

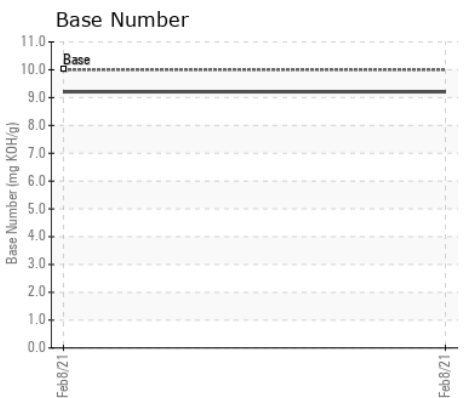
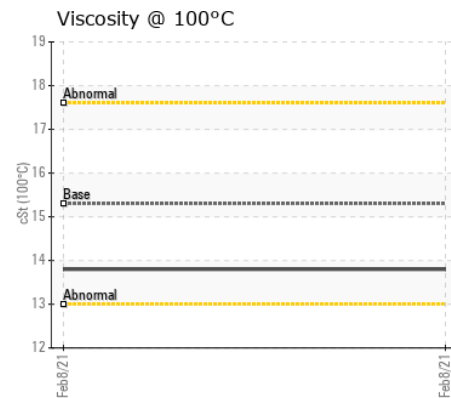
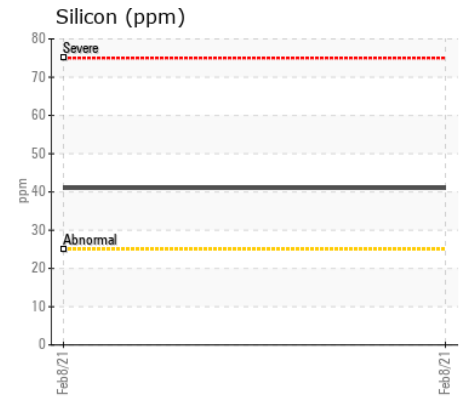
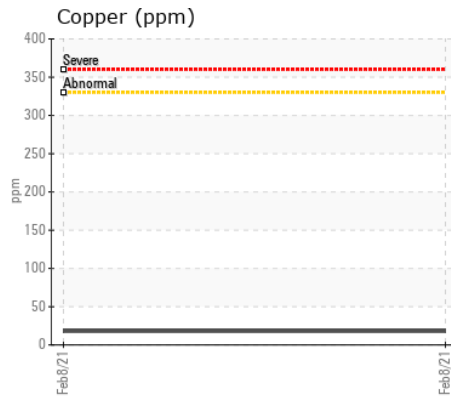
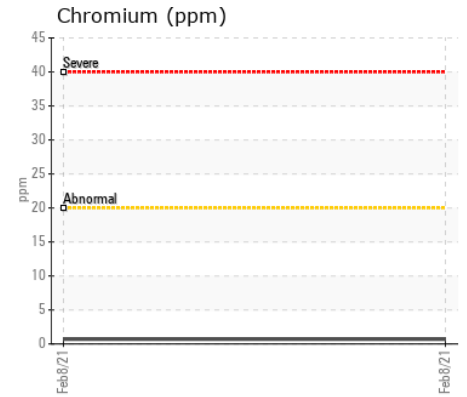
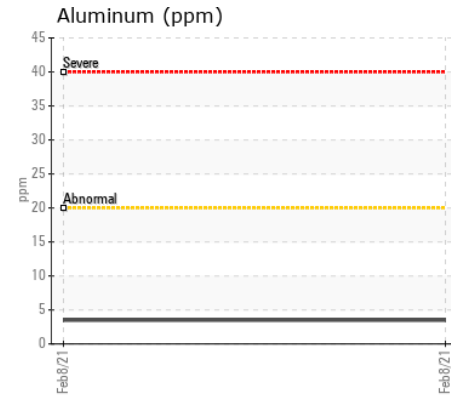
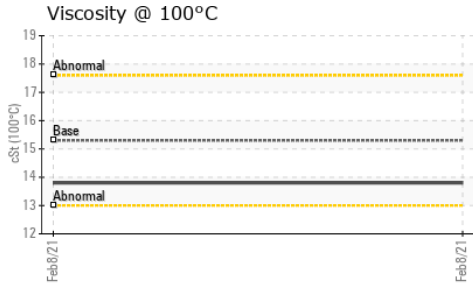
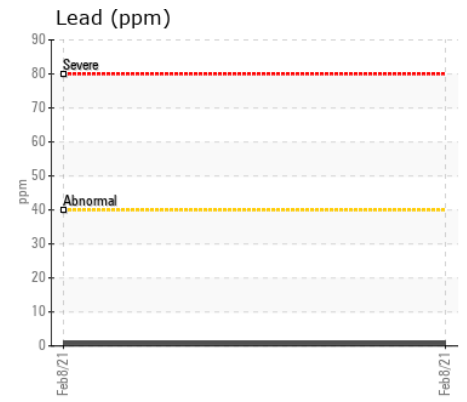
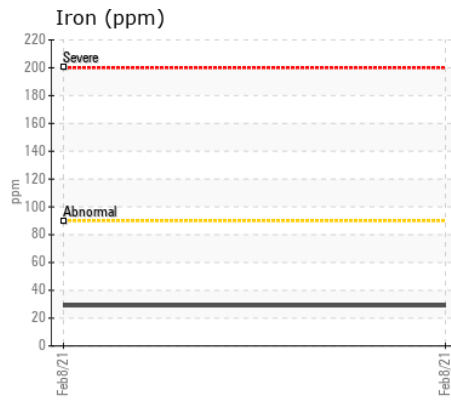
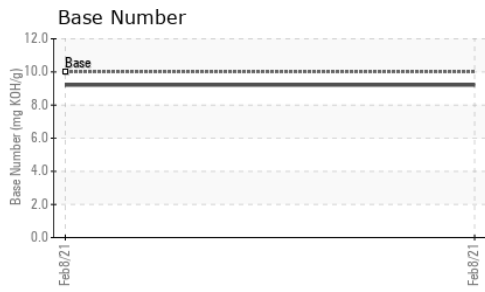
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>41</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	---	---
Fuel		WC Method	>3.0	<b>&lt;1.0</b>	---	---
Water		WC Method	>0.2	<b>NEG</b>	---	---
Glycol		WC Method		<b>NEG</b>	---	---
Soot %	%	ASTM D7844*	>6	<b>0</b>	---	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.3</b>	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>21.2</b>	---	---
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	---	---

**FLUID CONDITION**

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185(m)		<b>7</b>	---	---
Boron	ppm	ASTM D5185(m)		<b>58</b>	---	---
Barium	ppm	ASTM D5185(m)		<b>7</b>	---	---
Molybdenum	ppm	ASTM D5185(m)		<b>44</b>	---	---
Manganese	ppm	ASTM D5185(m)		<b>6</b>	---	---
Magnesium	ppm	ASTM D5185(m)		<b>590</b>	---	---
Calcium	ppm	ASTM D5185(m)		<b>1529</b>	---	---
Phosphorus	ppm	ASTM D5185(m)		<b>1054</b>	---	---
Zinc	ppm	ASTM D5185(m)		<b>1188</b>	---	---
Sulfur	ppm	ASTM D5185(m)		<b>2697</b>	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>16.6</b>	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*	10	<b>9.21</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.3	<b>13.8</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : OF0000323  
**Lab Number** : 02482283  
**Unique Number** : 5383220  
**Test Package** : MOB 2  
**Received** : 08 Apr 2022  
**Tested** : 19 Apr 2022  
**Diagnosed** : 19 Apr 2022 - Kevin Marson

**Oil Filtration Solutions Ltd.**  
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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.