



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
(GMN 111) City Of Mount Pearl
Machine Id
INTERNATIONAL Side Loader Recycling Truck, 20-02G

Component
Diesel Engine
Fluid
IRVING IDO PREMIUM PLUS 15W40 (24 LTR)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: Serial # 3HAEKTART1ML680957)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		OF0000268	---	---
Sample Date		Client Info		01 Feb 2021	---	---
Machine Age	hrs	Client Info		643	---	---
Oil Age	hrs	Client Info		100	---	---
Filter Age	hrs	Client Info		100	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>90	10	---	---
Chromium	ppm	ASTM D5185(m)	>20	<1	---	---
Nickel	ppm	ASTM D5185(m)	>2	<1	---	---
Titanium	ppm	ASTM D5185(m)	>2	0	---	---
Silver	ppm	ASTM D5185(m)	>2	<1	---	---
Aluminum	ppm	ASTM D5185(m)	>20	3	---	---
Lead	ppm	ASTM D5185(m)	>40	2	---	---
Copper	ppm	ASTM D5185(m)	>330	63	---	---
Tin	ppm	ASTM D5185(m)	>15	<1	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	VLITE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

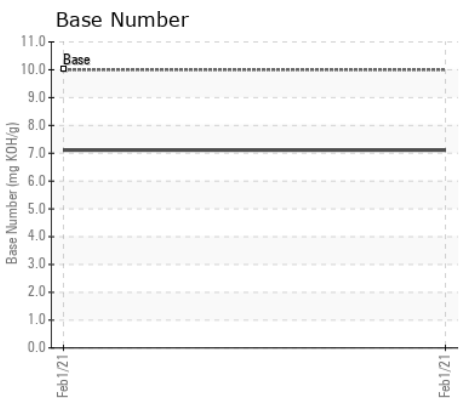
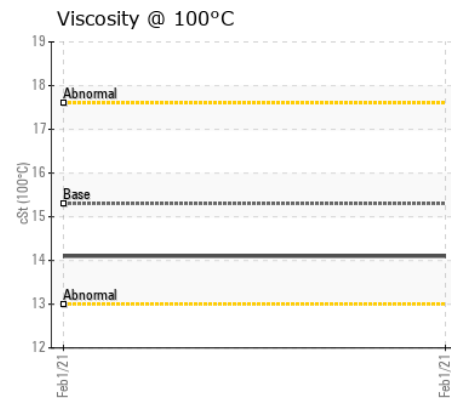
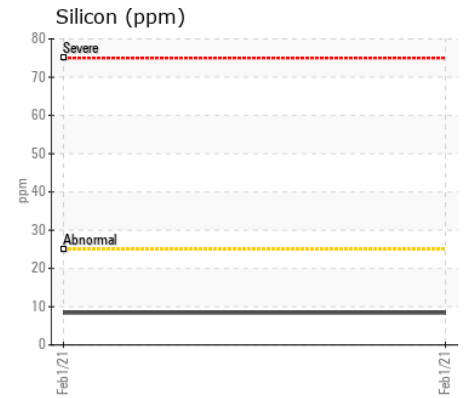
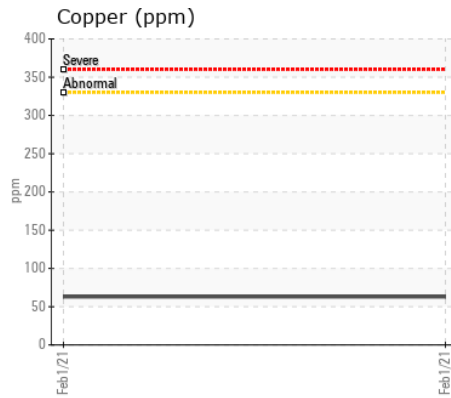
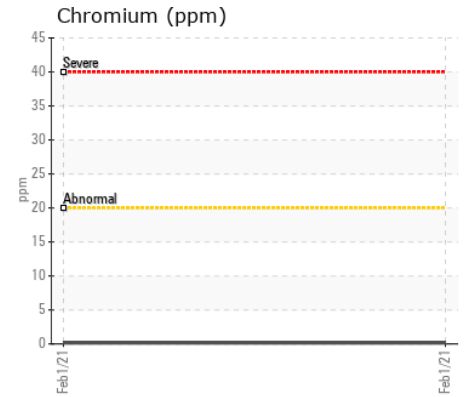
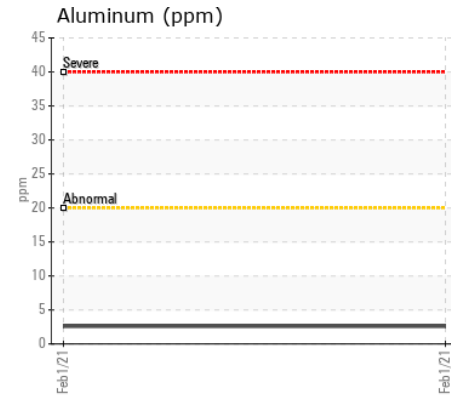
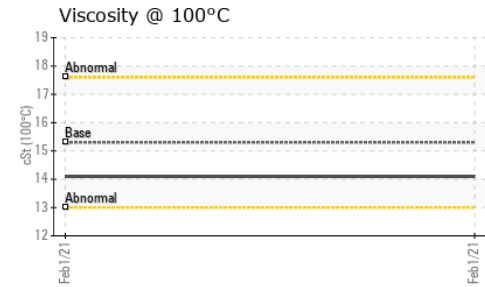
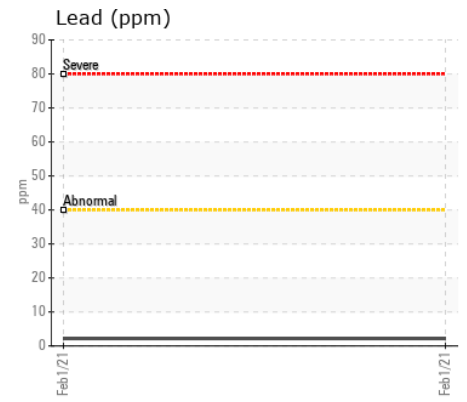
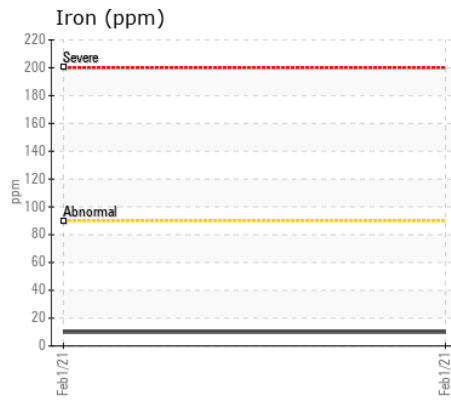
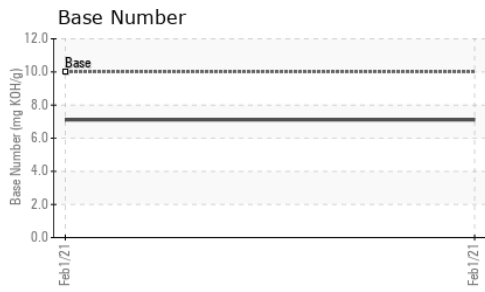
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	8	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---
Fuel		WC Method	>3.0	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*	>6	0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	9.2	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.3	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---

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)		3	---	---
Boron	ppm	ASTM D5185(m)		58	---	---
Barium	ppm	ASTM D5185(m)		<1	---	---
Molybdenum	ppm	ASTM D5185(m)		20	---	---
Manganese	ppm	ASTM D5185(m)		1	---	---
Magnesium	ppm	ASTM D5185(m)		163	---	---
Calcium	ppm	ASTM D5185(m)		2017	---	---
Phosphorus	ppm	ASTM D5185(m)		1071	---	---
Zinc	ppm	ASTM D5185(m)		1186	---	---
Sulfur	ppm	ASTM D5185(m)		3355	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	14.1	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*	10	7.11	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.3	14.1	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : OF0000268
Lab Number : 02476440
Unique Number : 5369368
Test Package : MOB 2 (Additional Tests: BottomAnalysis, FILTERPATCH, Visual)

Received : 09 Mar 2022
Tested : 11 Mar 2022
Diagnosed : 14 Mar 2022 - Kevin Marson

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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.