



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area  
**(GMN 124) City Of Mount Pearl**  
Machine Id  
**INTERNATIONAL Rear Loader Garbage Truck, 20-04G**  
Component  
**Hydraulic System**  
Fluid  
**PETRO CANADA HYDREX MV 32 (239 LTR)**

**RECOMMENDATION**

Resample at the next service interval to monitor. ( Customer Sample  
Comment: G2F 1-micron changed only )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>OF0000331</b>	OF0000273	OF0000271
Sample Date		Client Info		<b>21 Sep 2021</b>	30 Mar 2021	05 Jan 2021
Machine Age	hrs	Client Info		<b>826</b>	509	428
Oil Age	hrs	Client Info		<b>826</b>	509	428
Filter Age	hrs	Client Info		<b>458</b>	81	428
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Changed</b>	Changed	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>20	<b>4</b>	2	4
Chromium	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>10	<b>0</b>	0	<1
Lead	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>75	<b>3</b>	2	2
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

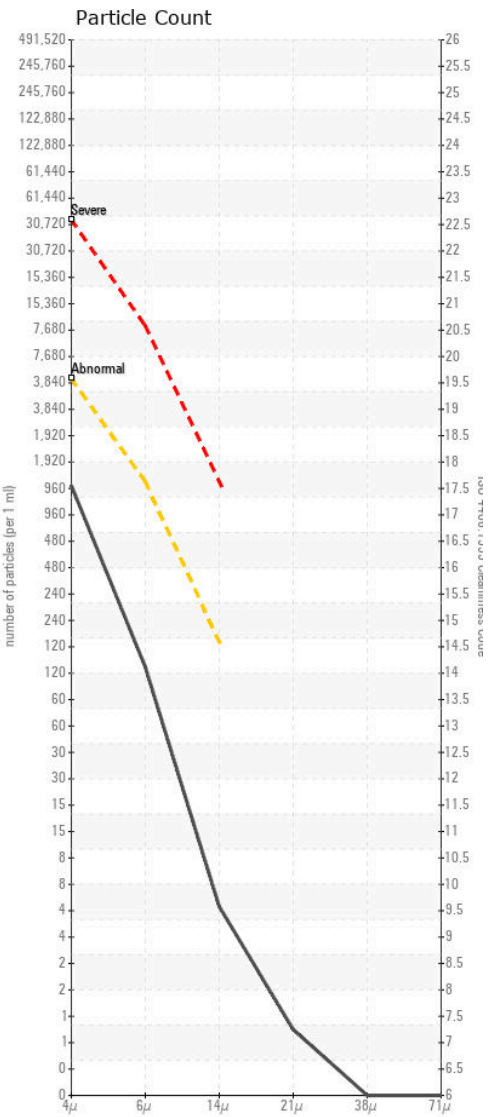
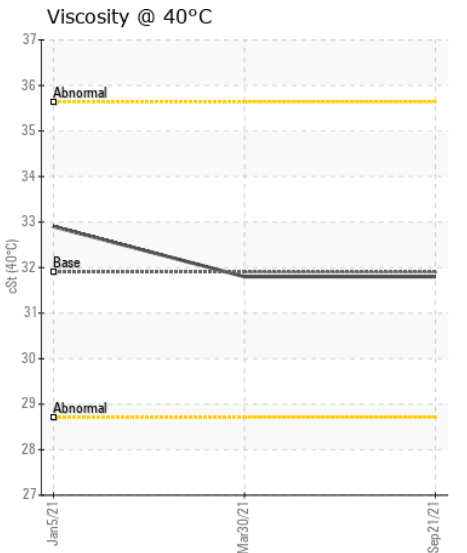
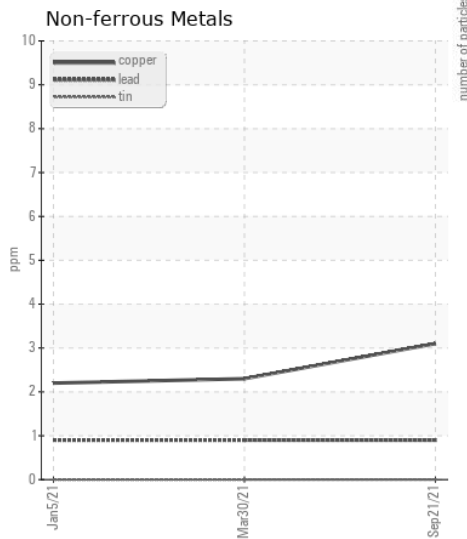
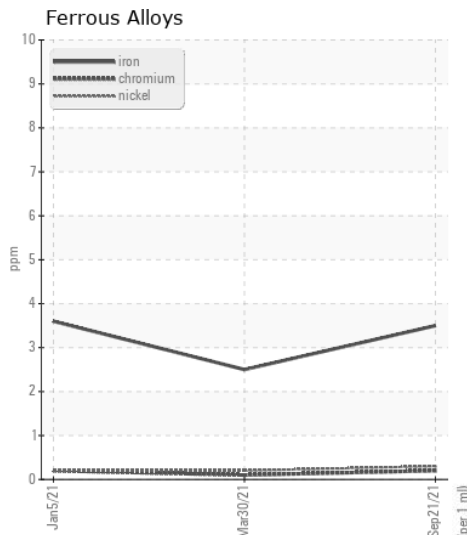
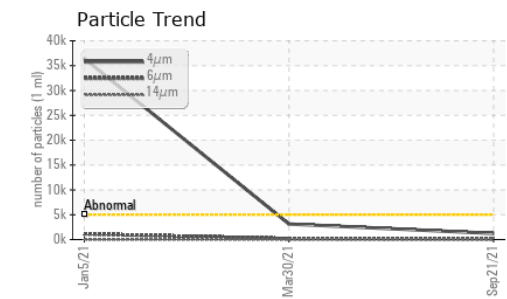
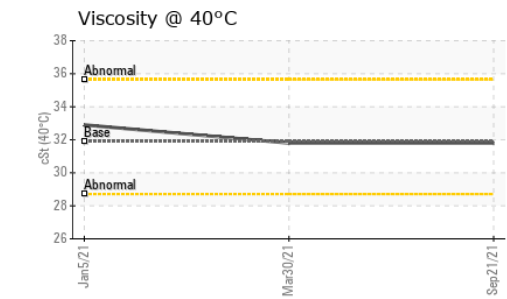
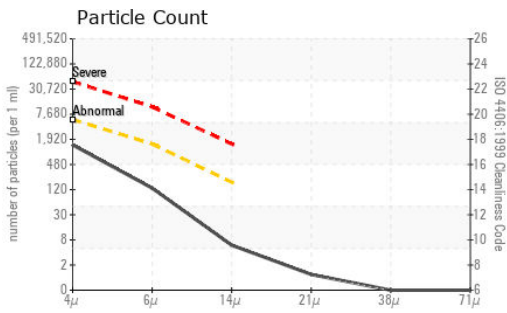
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185(m)	>20	<b>3</b>	3	4
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>5000	<b>1236</b>	3133	▲ 36427
Particles >6µm		ASTM D7647	>1300	<b>115</b>	177	1123
Particles >14µm		ASTM D7647	>160	<b>5</b>	10	12
Particles >21µm		ASTM D7647	>40	<b>1</b>	2	3
Particles >38µm		ASTM D7647	>10	<b>0</b>	0	0
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>17/14/10</b>	19/15/10	▲ 22/17/11
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	VLITE	VLITE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Boron	ppm	ASTM D5185(m)	0	<b>2</b>	3	2
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185(m)	1	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)	0	<b>8</b>	10	5
Calcium	ppm	ASTM D5185(m)	50	<b>68</b>	74	56
Phosphorus	ppm	ASTM D5185(m)	330	<b>356</b>	359	350
Zinc	ppm	ASTM D5185(m)	430	<b>432</b>	434	424
Sulfur	ppm	ASTM D5185(m)	760	<b>839</b>	840	777
Visc @ 40°C	cSt	ASTM D7279(m)	31.9	<b>31.8</b>	31.8	32.9



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : OF0000331 **Received** : 09 Mar 2022  
**Lab Number** : **02476328** **Tested** : 10 Mar 2022  
**Unique Number** : 5369256 **Diagnosed** : 10 Mar 2022 - Kevin Marson  
**Test Package** : MOB 2

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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.