



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
(GMN476) City Of Mount Pearl
Machine Id
INTERNATIONAL Dual Arm Garbage Truck, 20-13G
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		OF0000280	OF0000278	---
Sample Date		Client Info		12 Apr 2021	25 Jan 2021	---
Machine Age	hrs	Client Info		376	178	---
Oil Age	hrs	Client Info		376	178	---
Filter Age	hrs	Client Info		198	178	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Changed	Not Changd	---
Sample Status				NORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>20	2	1	---
Chromium	ppm	ASTM D5185(m)	>10	<1	<1	---
Nickel	ppm	ASTM D5185(m)		0	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>10	<1	0	---
Lead	ppm	ASTM D5185(m)	>10	0	0	---
Copper	ppm	ASTM D5185(m)	>75	<1	<1	---
Tin	ppm	ASTM D5185(m)	>10	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

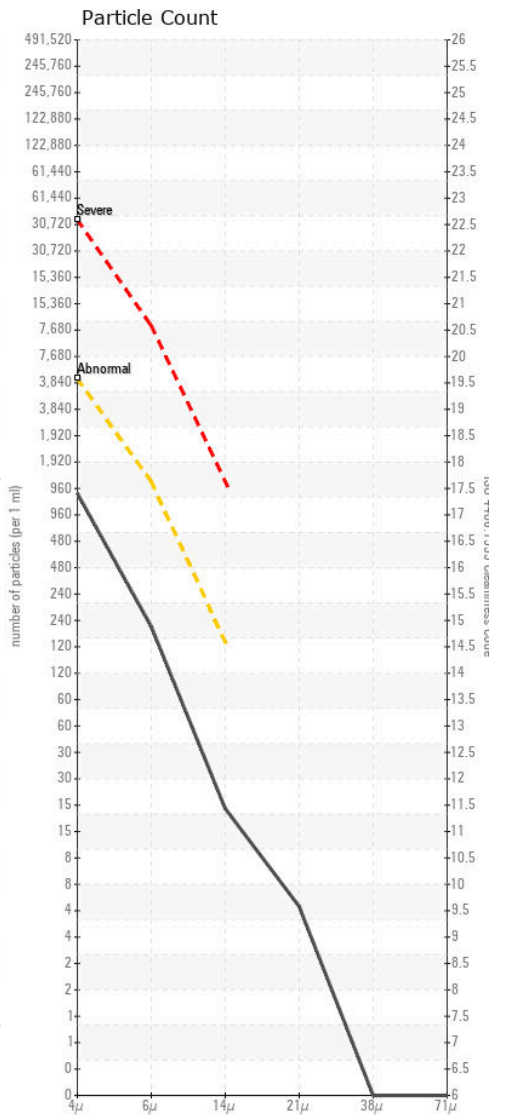
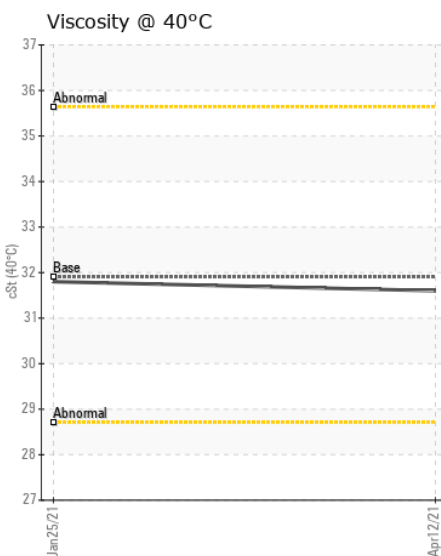
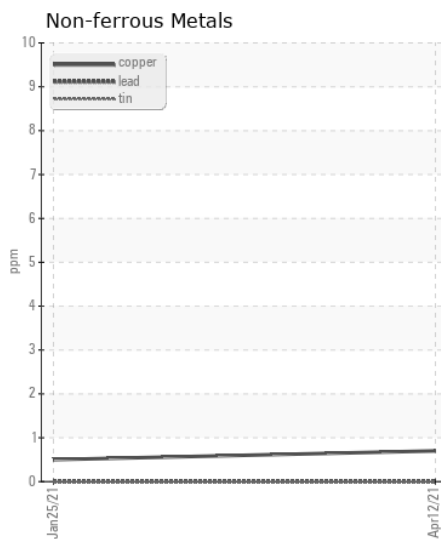
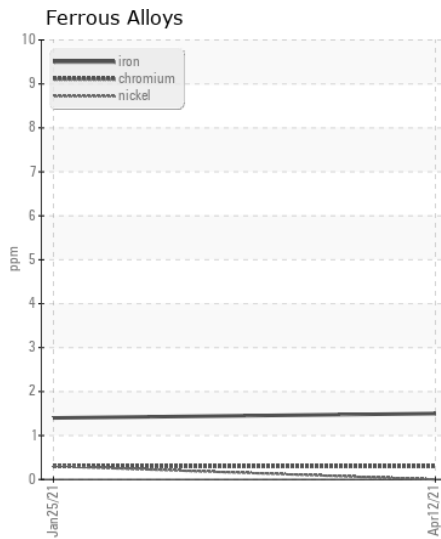
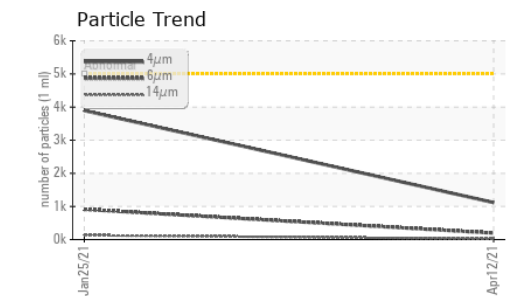
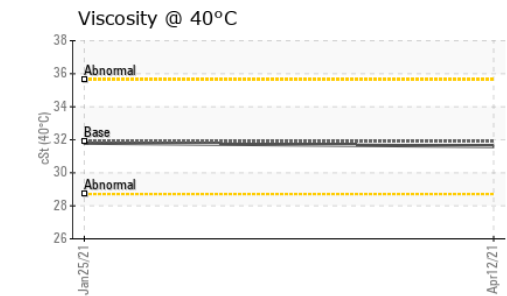
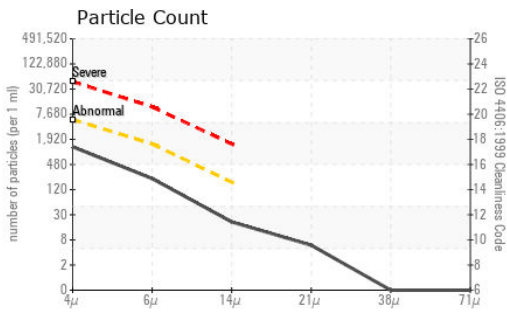
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185(m)	>20	3	6	---
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	---
Water		WC Method	>0.1	NEG	NEG	---
Particles >4µm		ASTM D7647	>5000	1117	3894	---
Particles >6µm		ASTM D7647	>1300	195	911	---
Particles >14µm		ASTM D7647	>160	18	131	---
Particles >21µm		ASTM D7647	>40	5	55	---
Particles >38µm		ASTM D7647	>10	0	20	---
Particles >71µm		ASTM D7647	>3	0	7	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/15/11	19/17/14	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	VLITE	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		<1	<1	---
Boron	ppm	ASTM D5185(m)	0	<1	<1	---
Barium	ppm	ASTM D5185(m)	0	0	0	---
Molybdenum	ppm	ASTM D5185(m)	0	0	0	---
Manganese	ppm	ASTM D5185(m)	1	0	0	---
Magnesium	ppm	ASTM D5185(m)	0	<1	<1	---
Calcium	ppm	ASTM D5185(m)	50	46	46	---
Phosphorus	ppm	ASTM D5185(m)	330	330	322	---
Zinc	ppm	ASTM D5185(m)	430	395	380	---
Sulfur	ppm	ASTM D5185(m)	760	743	725	---
Visc @ 40°C	cSt	ASTM D7279(m)	31.9	31.6	31.8	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : OF0000280 **Received** : 09 Mar 2022
Lab Number : **02476324** **Tested** : 10 Mar 2022
Unique Number : 5369252 **Diagnosed** : 10 Mar 2022 - Kevin Marson
Test Package : MOB 2

Oil Filtration Solutions Ltd.
 PO BOX 16125
 CONCEPTION BAY SOUTH, NL
 CA A1X 2E2
 Contact: BILL BUTLER
 BBUTLER@OILFILTRATIONSOLUTIONS.COM
 T: (709)834-8433
 F: (709)834-8435

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.