



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
(GMN 523) City Of Mount Pearl
Machine Id
INTERNATIONAL Side Loader Garbage Truck, 733
Component
Hydraulic System
Fluid
PETRO CANADA HYDREX AW 32 (239 LTR)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: Serial # 3HAWGTAT9JL331062)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		OF0000242	OF0000276	OF0000266
Sample Date		Client Info		13 Sep 2021	30 Mar 2021	08 Feb 2021
Machine Age	hrs	Client Info		3501	3415	3289
Oil Age	hrs	Client Info		3501	3415	3289
Filter Age	hrs	Client Info		86	126	500
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Changed	Not Changd
Sample Status				NORMAL	ATTENTION	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>20	4	7	6
Chromium	ppm	ASTM D5185(m)	>10	<1	<1	<1
Nickel	ppm	ASTM D5185(m)		<1	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>10	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>10	<1	0	0
Copper	ppm	ASTM D5185(m)	>75	<1	1	<1
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

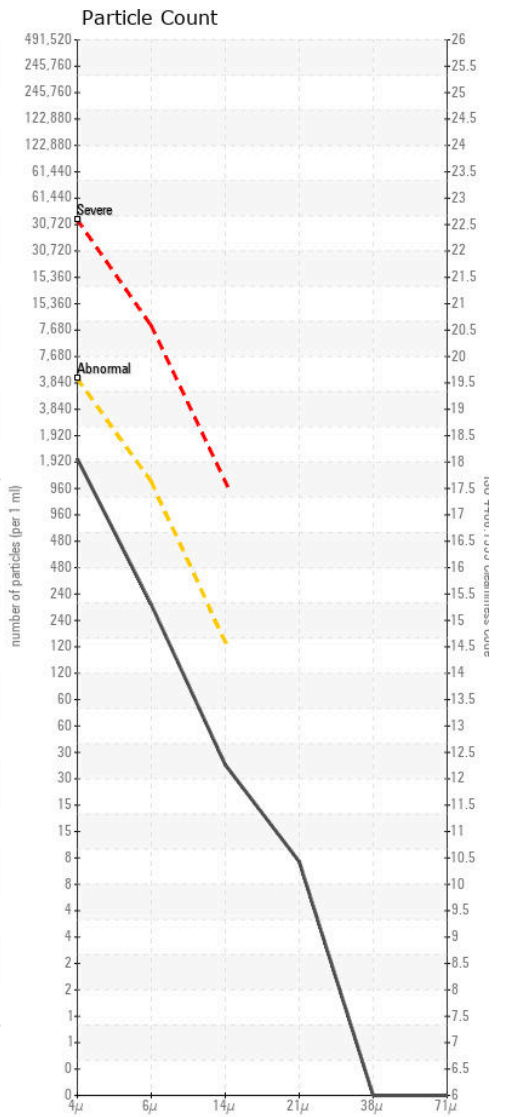
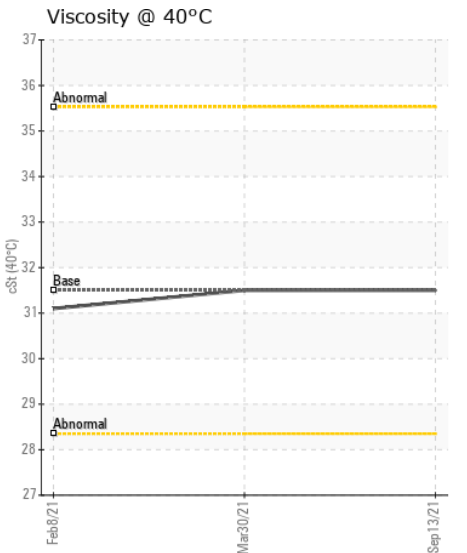
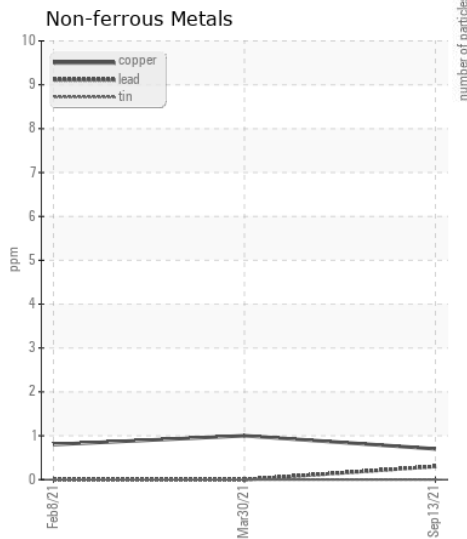
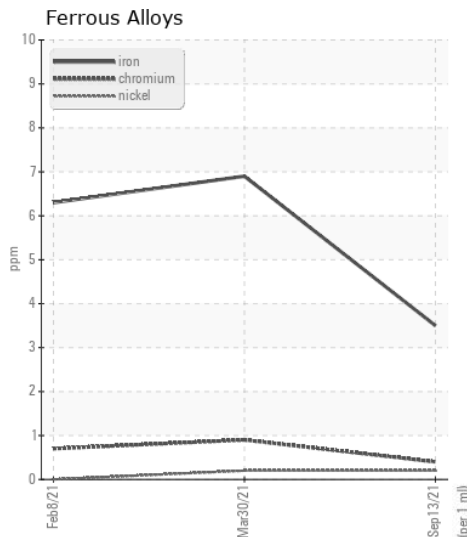
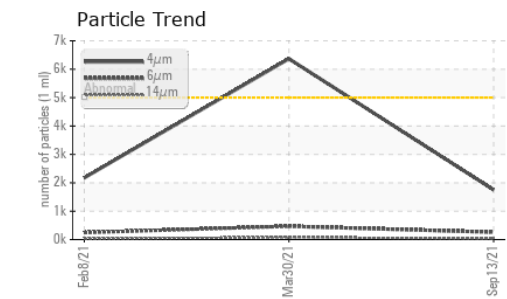
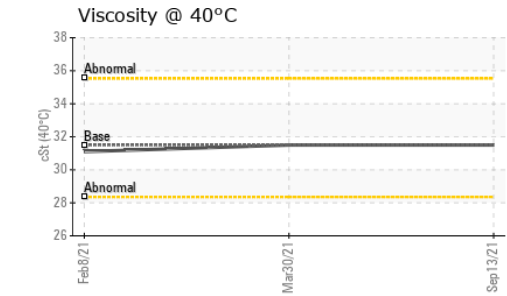
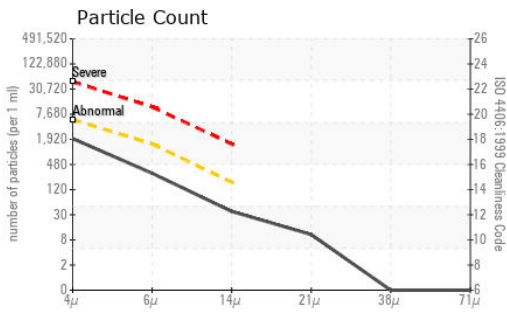
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185(m)	>20	3	5	5
Potassium	ppm	ASTM D5185(m)	>20	<1	2	2
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	1752	6368	2174
Particles >6µm		ASTM D7647	>1300	260	468	245
Particles >14µm		ASTM D7647	>160	32	77	31
Particles >21µm		ASTM D7647	>40	9	28	9
Particles >38µm		ASTM D7647	>10	0	2	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/15/12	20/16/13	18/15/12
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		2	4	4
Boron	ppm	ASTM D5185(m)	0	6	4	4
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	2	2	2
Manganese	ppm	ASTM D5185(m)	0	0	0	0
Magnesium	ppm	ASTM D5185(m)	0	69	19	19
Calcium	ppm	ASTM D5185(m)	50	161	115	115
Phosphorus	ppm	ASTM D5185(m)	330	350	367	366
Zinc	ppm	ASTM D5185(m)	430	393	431	427
Sulfur	ppm	ASTM D5185(m)	760	1127	1050	1040
Visc @ 40°C	cSt	ASTM D7279(m)	31.5	31.5	31.5	31.1



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : OF0000242
Lab Number : 02476319
Unique Number : 5369247
Test Package : MOB 2
Received : 09 Mar 2022
Tested : 10 Mar 2022
Diagnosed : 10 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.