



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	SEVERE
FLUID CONDITION	ABNORMAL

Area
City Of Mount Pearl [Sample 1 Before]

Machine Id
WACHS Valve Exerciser Trailer

Component
Hydraulic System

Fluid
AW HYDRAULIC OIL ISO 32 (68 LTR)

RECOMMENDATION

We advise that you check for the source of water entry. Check seals and/or filters for points of contaminant entry. Oil and filter change at the time of sampling has been noted. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Resample in 30-45 days to monitor this situation. (Customer Sample Comment: Water contamination present, oil replaced.)

WEAR

All component wear rates are normal.

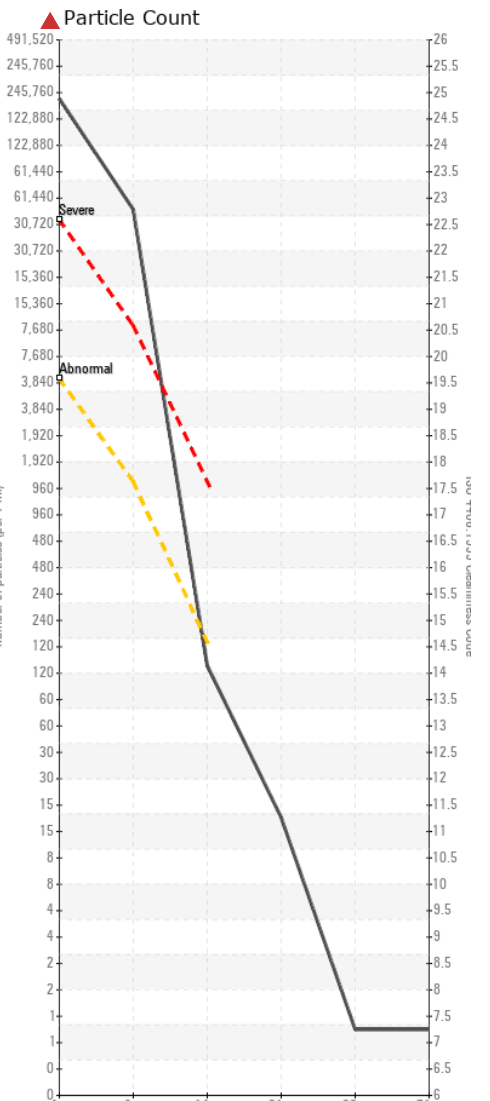
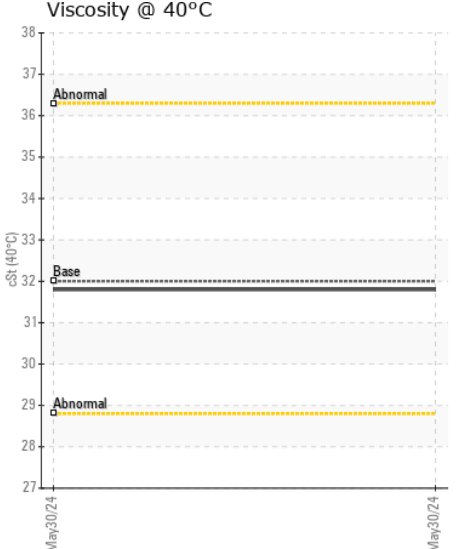
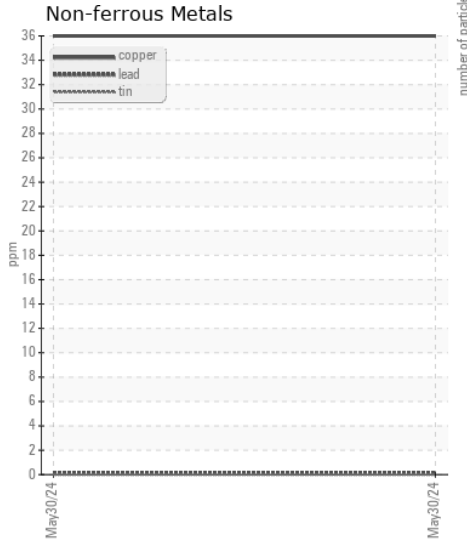
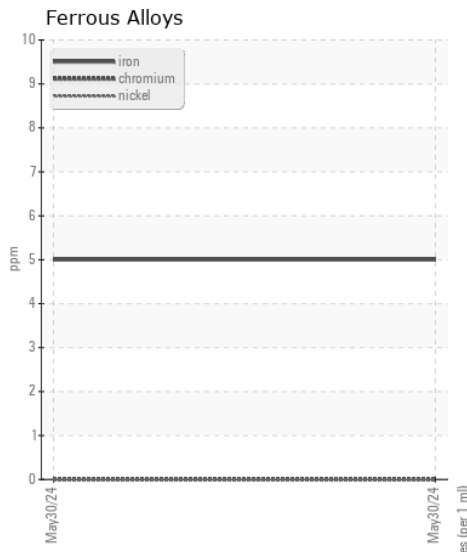
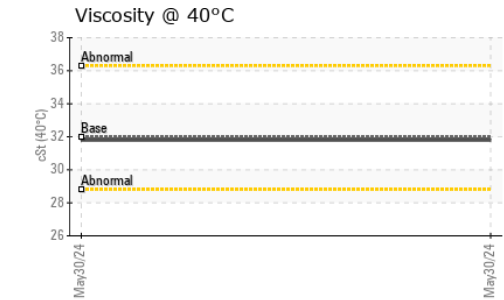
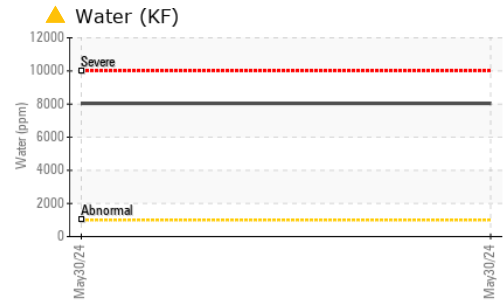
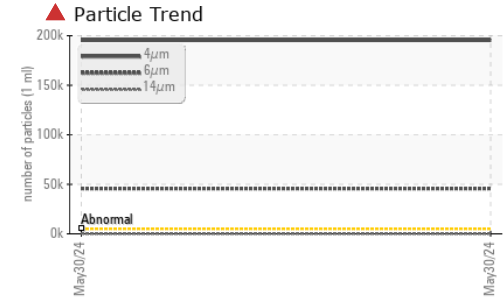
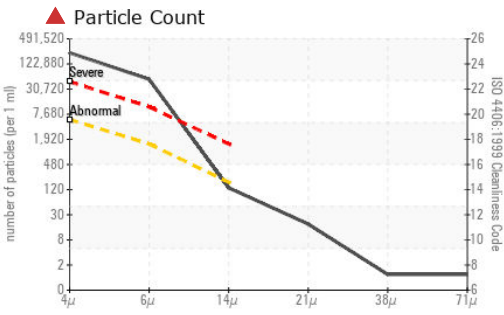
CONTAMINATION

There is a high amount of silt (particulates < 14 microns in size) present in the oil. There is a moderate concentration of water present in the oil. Free water present.

FLUID CONDITION

The white residue present in the sample is oil additive precipitate. The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		OF0000565	---	---
Sample Date		Client Info		30 May 2024	---	---
Machine Age	hrs	Client Info		2067	---	---
Oil Age	hrs	Client Info		468	---	---
Filter Age	hrs	Client Info		468	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				SEVERE	---	---
Iron	ppm	ASTM D5185(m)	>20	5	---	---
Chromium	ppm	ASTM D5185(m)	>10	0	---	---
Nickel	ppm	ASTM D5185(m)	>10	0	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)	>10	0	---	---
Lead	ppm	ASTM D5185(m)	>10	<1	---	---
Copper	ppm	ASTM D5185(m)	>75	36	---	---
Tin	ppm	ASTM D5185(m)	>10	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Silicon	ppm	ASTM D5185(m)	>20	3	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---
Water	%	ASTM D6304*	>0.1	▲ 0.803	---	---
ppm Water	ppm	ASTM D6304*	>1000	▲ 8039	---	---
Particles >4µm		ASTM D7647	>5000	▲ 195328	---	---
Particles >6µm		ASTM D7647	>1300	▲ 45681	---	---
Particles >14µm		ASTM D7647	>160	117	---	---
Particles >21µm		ASTM D7647	>40	16	---	---
Particles >38µm		ASTM D7647	>10	1	---	---
Particles >71µm		ASTM D7647	>3	1	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 25/23/14	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	▲ LAYRD	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.1	▲ .5%	---	---
Sodium	ppm	ASTM D5185(m)		2	---	---
Boron	ppm	ASTM D5185(m)	5	5	---	---
Barium	ppm	ASTM D5185(m)	5	0	---	---
Molybdenum	ppm	ASTM D5185(m)	5	0	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)	25	2	---	---
Calcium	ppm	ASTM D5185(m)	200	19	---	---
Phosphorus	ppm	ASTM D5185(m)	300	319	---	---
Zinc	ppm	ASTM D5185(m)	370	366	---	---
Sulfur	ppm	ASTM D5185(m)	2500	1434	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	32	31.8	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : OF0000565 **Received** : 13 Jun 2024
Lab Number : 02641849 **Tested** : 20 Jun 2024
Unique Number : 5799388 **Diagnosed** : 20 Jun 2024 - Kevin Marson
Test Package : MOB 2 (Additional Tests: Bottom, KF)

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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.