MOB II

WEAR CHECK

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Area
City Of Mount Pearl [Sample 2 After]
Machine Id
WACHS Valve Exerciser Trailer
Component
Hydraulic System
Fluid
AW HYDRAULIC OIL ISO 32 (68 LTR)

RECOMMENDATION

We advise that you check all areas where contaminants can enter the system. Check seals and/or filters for points of contaminant entry. We recommend that you drain the oil from the component if this has not already been done. 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. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation. (Customer Sample Comment: Water content after oil replacement, prior to filtering with OFS.)

WEAR

All component wear rates are normal.

CONTAMINATION

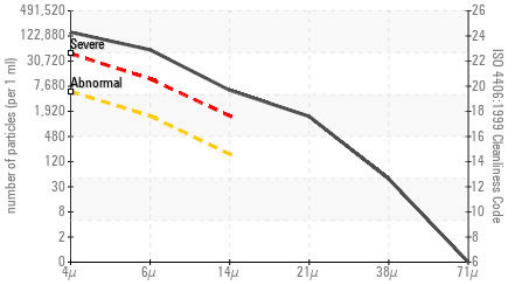
There is a high amount of particulates (2 to 100 microns in size) present in the oil. There is a moderate concentration of water present in the oil.

FLUID CONDITION

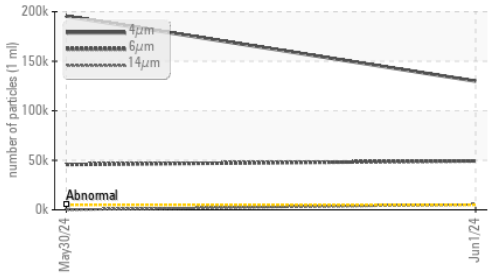
The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		OF0000566	OF0000565	---
Sample Date		Client Info		01 Jun 2024	30 May 2024	---
Machine Age	hrs	Client Info		2069	2067	---
Oil Age	hrs	Client Info		0	468	---
Filter Age	hrs	Client Info		0	468	---
Oil Changed		Client Info		Not Changd	Changed	---
Filter Changed		Client Info		Not Changd	Changed	---
Sample Status				SEVERE	SEVERE	---
Iron	ppm	ASTM D5185(m)	>20	<1	5	---
Chromium	ppm	ASTM D5185(m)	>10	0	0	---
Nickel	ppm	ASTM D5185(m)	>10	0	0	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>10	0	0	---
Lead	ppm	ASTM D5185(m)	>10	0	<1	---
Copper	ppm	ASTM D5185(m)	>75	5	36	---
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	---
Silicon	ppm	ASTM D5185(m)	>20	2	3	---
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	---
Water	%	ASTM D6304*	>0.1	▲ 0.468	▲ 0.803	---
ppm Water	ppm	ASTM D6304*	>1000	▲ 4689	▲ 8039	---
Particles >4µm		ASTM D7647	>5000	▲ 129882	▲ 195328	---
Particles >6µm		ASTM D7647	>1300	▲ 49334	▲ 45681	---
Particles >14µm		ASTM D7647	>160	▲ 5355	117	---
Particles >21µm		ASTM D7647	>40	▲ 1271	16	---
Particles >38µm		ASTM D7647	>10	▲ 41	1	---
Particles >71µm		ASTM D7647	>3	0	1	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 24/23/20	▲ 25/23/14	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	▲ HAZY	▲ LAYRD	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	▲ 1%	▲ .5%	---
Sodium	ppm	ASTM D5185(m)		2	2	---
Boron	ppm	ASTM D5185(m)	5	20	5	---
Barium	ppm	ASTM D5185(m)	5	0	0	---
Molybdenum	ppm	ASTM D5185(m)	5	5	0	---
Manganese	ppm	ASTM D5185(m)		0	0	---
Magnesium	ppm	ASTM D5185(m)	25	168	2	---
Calcium	ppm	ASTM D5185(m)	200	374	19	---
Phosphorus	ppm	ASTM D5185(m)	300	525	319	---
Zinc	ppm	ASTM D5185(m)	370	593	366	---
Sulfur	ppm	ASTM D5185(m)	2500	2059	1434	---
Visc @ 40°C	cSt	ASTM D7279(m)	32	32.2	31.8	---

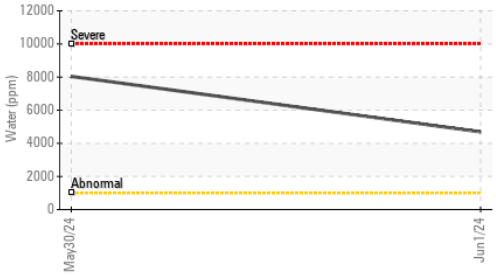
Particle Count



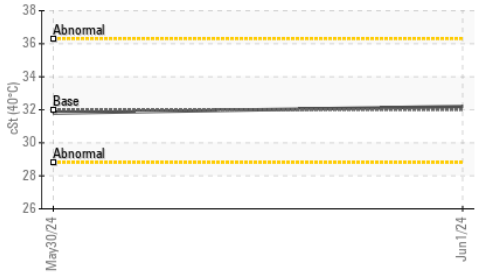
Particle Trend



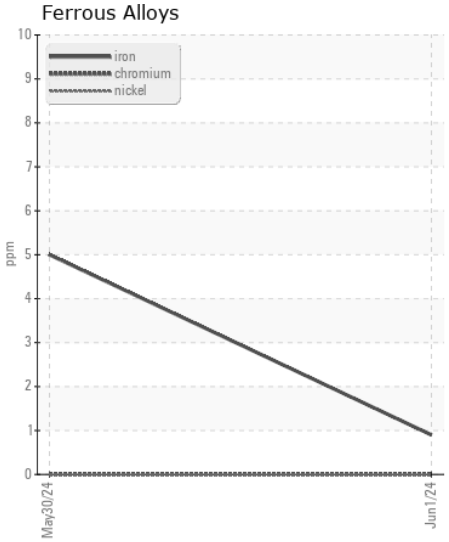
Water (KF)



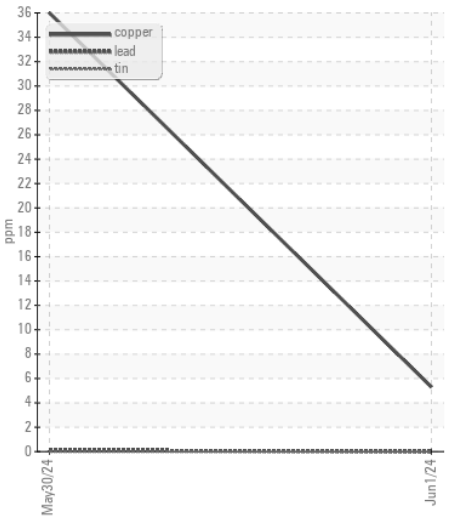
Viscosity @ 40°C



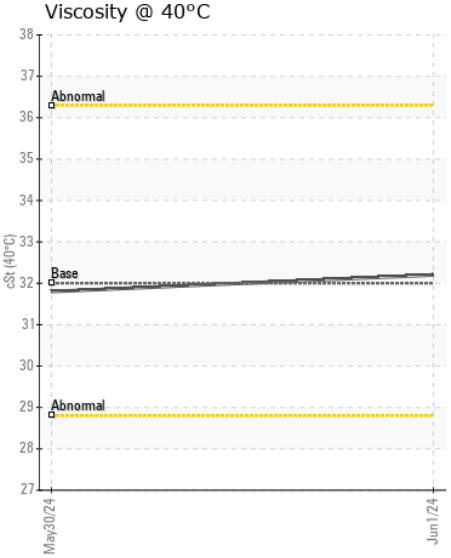
Ferrous Alloys



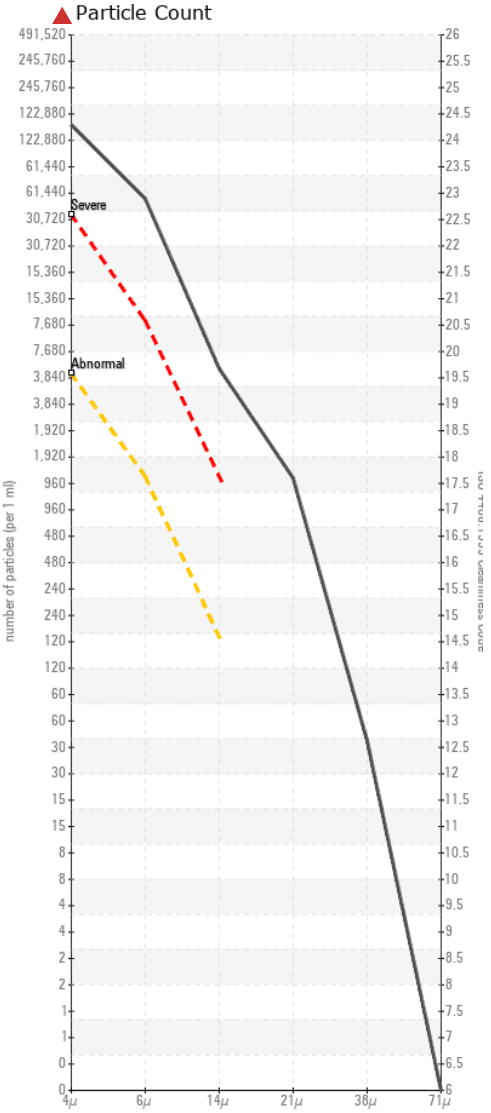
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : OF0000566 **Received** : 13 Jun 2024
Lab Number : 02641762 **Tested** : 19 Jun 2024
Unique Number : 5799301 **Diagnosed** : 19 Jun 2024 - Kevin Marson
Test Package : MOB 2 (Additional Tests: KF)

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.

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