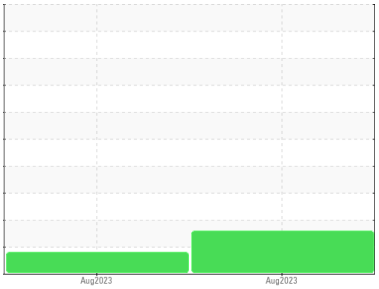
PROBLEM SUMMARY

Sample Rating Trend

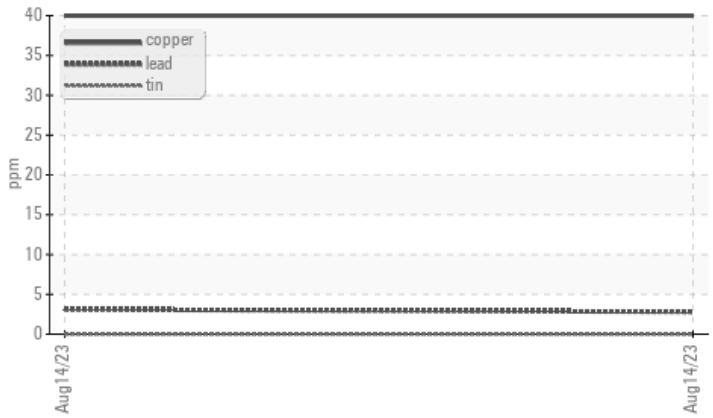


WEAR

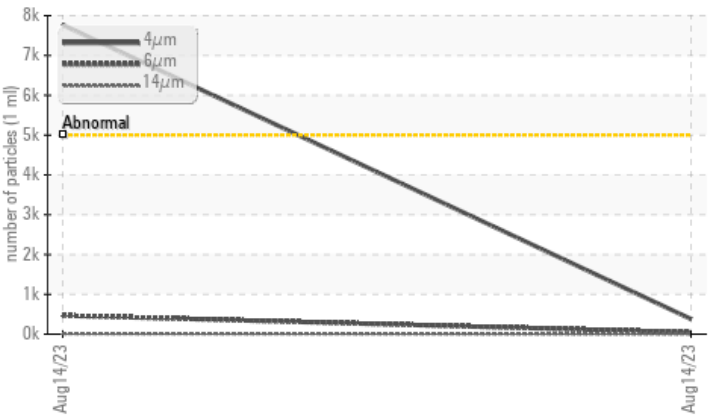
Area
Baytech - W00300 [Press43]
Machine Id
A2308096
Component
Hydraulic System
Fluid
NOT GIVEN (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Non-ferrous Metals



▲ Particle Trend



RECOMMENDATION

This is a baseline read-out on the submitted sample.

PROBLEMATIC TEST RESULTS

Sample Status				**ATTENTION**	ATTENTION	---
Copper	ppm	ASTM D5185(m)	>20	▲ **40**	▲ 40	---
Particles >4µm		ASTM D7647	>5000	▲ **7769**	380	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ **20/16/11**	16/13/10	---

Customer Id: CHECOB
Sample No.: E30000125
Lab Number: 02577722
Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data:
Tatiana Sorkina +1 (800)263-3939
tsorkina@e360s.ca

To change component or sample information:
Gloria Gonzalez +1 (289)291-4643 x4643
gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

14 Aug 2023 Diag: Tatiana Sorkina

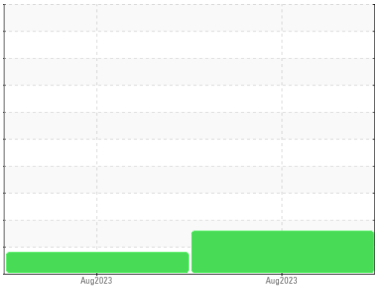
WEAR

This is a baseline read-out on the submitted sample.Copper ppm levels are noted. {not applicable} {not applicable}

view report

OIL ANALYSIS REPORT

Sample Rating Trend



WEAR

Area
Baytech - W00300 [Press43]
Machine Id
A2308096
Component
Hydraulic System
Fluid
NOT GIVEN (--- GAL)

DIAGNOSIS

▲ Recommendation
This is a baseline read-out on the submitted sample.

▲ Wear
Copper ppm levels are noted.

▲ Contamination
Particles >4µm and oil cleanliness are notably high.

Fluid Condition
{not applicable}

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**E30000125**	E30000176	---
Sample Date		Client Info		**14 Aug 2023**	14 Aug 2023	---
Machine Age	hrs	Client Info		**0**	0	---
Oil Age	hrs	Client Info		**0**	0	---
Oil Changed		Client Info		**N/A**	N/A	---
Sample Status				**ATTENTION**	ATTENTION	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	**9**	9	---
Chromium	ppm	ASTM D5185(m)	>20	**<1**	<1	---
Nickel	ppm	ASTM D5185(m)	>20	**<1**	<1	---
Titanium	ppm	ASTM D5185(m)		**0**	0	---
Silver	ppm	ASTM D5185(m)		**<1**	0	---
Aluminum	ppm	ASTM D5185(m)	>20	**1**	1	---
Lead	ppm	ASTM D5185(m)	>20	**3**	3	---
Copper	ppm	ASTM D5185(m)	>20	▲ **40**	▲ 40	---
Tin	ppm	ASTM D5185(m)	>20	**0**	0	---
Antimony	ppm	ASTM D5185(m)		**0**	0	---
Vanadium	ppm	ASTM D5185(m)		**0**	0	---
Beryllium	ppm	ASTM D5185(m)		**0**	0	---
Cadmium	ppm	ASTM D5185(m)		**0**	0	---

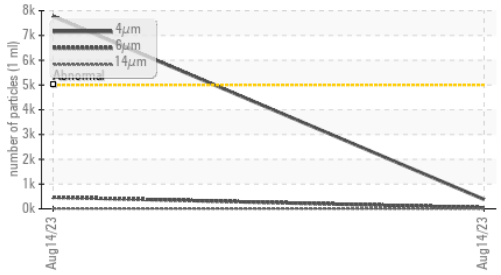
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		**<1**	<1	---
Barium	ppm	ASTM D5185(m)		**<1**	<1	---
Molybdenum	ppm	ASTM D5185(m)		**<1**	0	---
Manganese	ppm	ASTM D5185(m)		**<1**	<1	---
Magnesium	ppm	ASTM D5185(m)		**45**	44	---
Calcium	ppm	ASTM D5185(m)		**55**	53	---
Phosphorus	ppm	ASTM D5185(m)		**468**	455	---
Zinc	ppm	ASTM D5185(m)		**456**	446	---
Sulfur	ppm	ASTM D5185(m)		**1768**	1774	---
Lithium	ppm	ASTM D5185(m)		**<1**	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	**2**	2	---
Sodium	ppm	ASTM D5185(m)		**2**	1	---
Potassium	ppm	ASTM D5185(m)	>20	**<1**	<1	---
Water	%	ASTM D6304*	>0.05	**0.002**	0.003	---
ppm Water	ppm	ASTM D6304*	>500	**20.2**	34.2	---

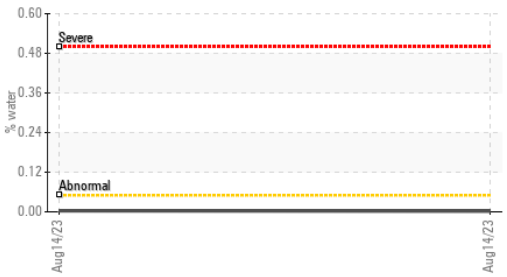
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	▲ **7769**	380	---
Particles >6µm		ASTM D7647	>1300	**467**	44	---
Particles >14µm		ASTM D7647	>160	**12**	5	---
Particles >21µm		ASTM D7647	>40	**3**	2	---
Particles >38µm		ASTM D7647	>10	**0**	1	---
Particles >71µm		ASTM D7647	>3	**0**	1	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ **20/16/11**	16/13/10	---

OIL ANALYSIS REPORT

Particle Trend

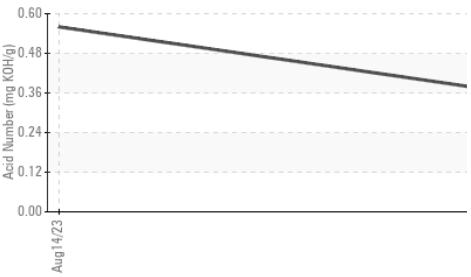


Water

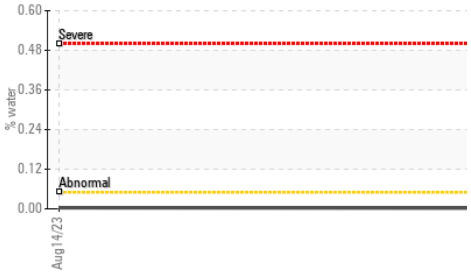


Viscosity @ 100°C

Acid Number



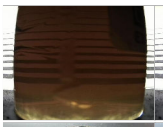
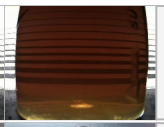
Water



FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		**0.37**	0.56	---

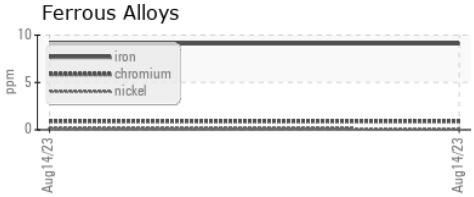
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	**NONE**	NONE	---
Yellow Metal	scalar	Visual*	NONE	**NONE**	NONE	---
Precipitate	scalar	Visual*	NONE	**NONE**	NONE	---
Silt	scalar	Visual*	NONE	**NONE**	NONE	---
Debris	scalar	Visual*	NONE	**NONE**	NONE	---
Sand/Dirt	scalar	Visual*	NONE	**NONE**	NONE	---
Appearance	scalar	Visual*	NORML	**NORML**	NORML	---
Odor	scalar	Visual*	NORML	**NORML**	NORML	---
Emulsified Water	scalar	Visual*	>0.05	**NEG**	NEG	---
Free Water	scalar	Visual*		**NEG**	NEG	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)		**45.9**	45.9	---
Visc @ 100°C	cSt	ASTM D7279(m)		**7**	7.2	---
Viscosity Index (VI)	Scale	ASTM D2270*		**109**	117	---

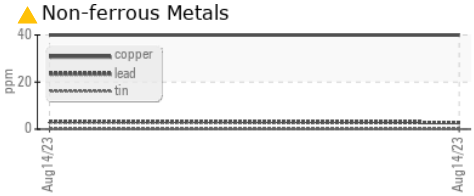
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					*no image*
Bottom					*no image*

GRAPHS

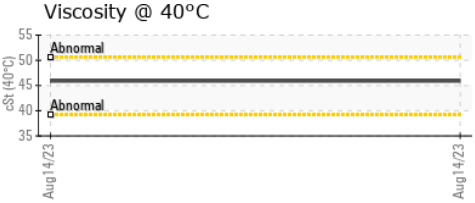
Ferrous Alloys



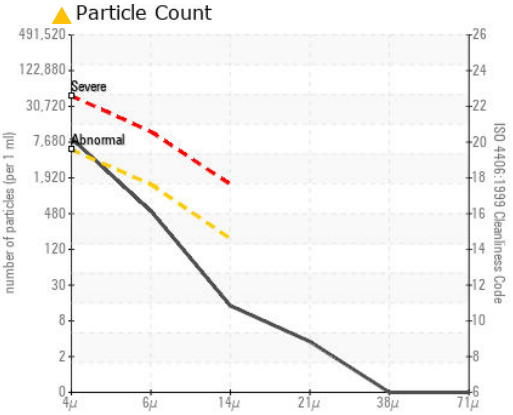
Non-ferrous Metals



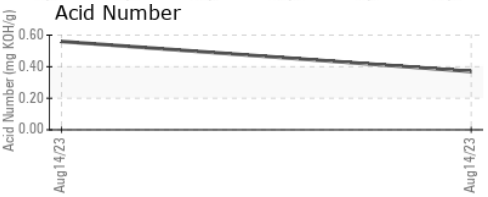
Viscosity @ 40°C



Particle Count



Acid Number



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : E30000125 **Received** : 23 Aug 2023
Lab Number : 02577722 **Diagnosed** : 01 Sep 2023
Unique Number : 5630782 **Diagnostician** : Tatiana Sorkina
Test Package : IND 2 (Additional Tests: KF, KV100, VI)

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.

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