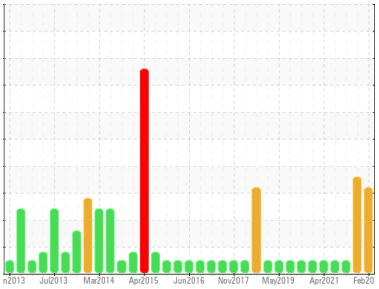
PROBLEM SUMMARY

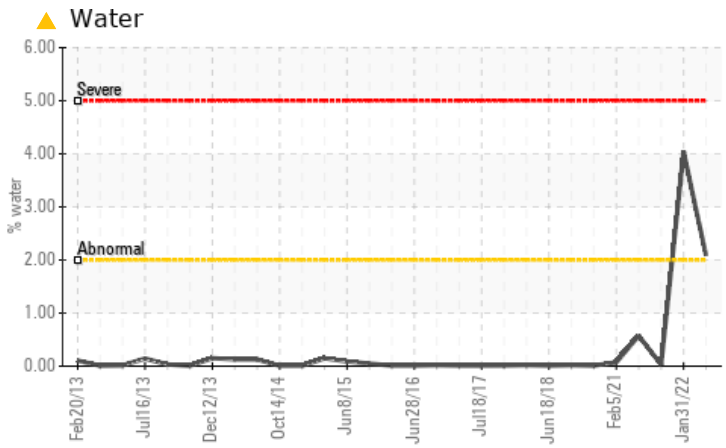
Area
BLEACH O2
Machine Id
METSO BX025 PRE02 PRESS NW (S/N 0661-03-02-040-040-090)
Component
Bearing
Fluid
NOT GIVEN (4 GAL)

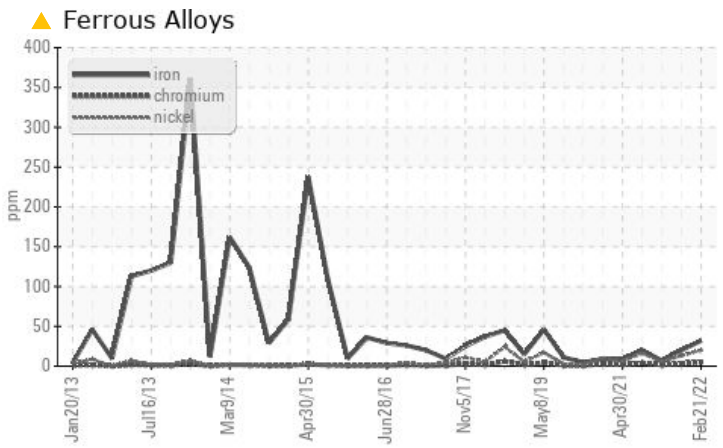
Sample Rating Trend



WATER

COMPONENT CONDITION SUMMARY





RECOMMENDATION

We advise that you check for the source of water entry. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	SEVERE	NORMAL
Iron	ppm	ASTM D5185m	>20	▲ **32**	20	7
Nickel	ppm	ASTM D5185m	>20	▲ **20**	13	6
Water	%	ASTM D6304	>2	▲ **2.09**	⬢ 4.04	---
ppm Water	ppm	ASTM D6304		▲ **20900**	⬢ 40400	---
Emulsified Water	scalar	*Visual	>2	▲ **0.2%**	⬢ 0.2%	NEG

Customer Id: INTRIERP
Sample No.: WC0625255
Lab Number: 05477074
Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data:
Jonathan Hester +1 919-379-4092 x4092
jhester@wearcheckusa.com

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Check Water Access	MISSED	Apr 05 2022	?	We advise that you check for the source of water entry.

HISTORICAL DIAGNOSIS

31 Jan 2022 Diag: Doug Bogart

WATER

We advise that you check for the source of water entry. We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition. Please note that the oil was too thick and contaminated to perform an accurate viscosity test.All component wear rates are normal. There is a high concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid.

view report

29 Oct 2021 Diag: Doug Bogart

NORMAL

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

28 Jul 2021 Diag: Doug Bogart

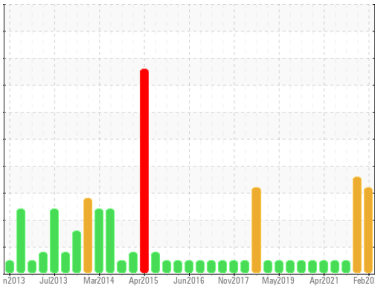
NORMAL

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report

OIL ANALYSIS REPORT

Sample Rating Trend



WATER

Area
BLEACH O2
Machine Id
METSO BX025 PRE02 PRESS NW (S/N 0661-03-02-040-040-090)
Component
Bearing
Fluid
NOT GIVEN (4 GAL)

DIAGNOSIS

Recommendation

We advise that you check for the source of water entry. Resample at the next service interval to monitor.

Wear

The nickel level is abnormal. All other component wear rates are normal.

Contamination

There is a moderate concentration of water present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0625255**	WC0625267	WC0625273
Sample Date		Client Info		**21 Feb 2022**	31 Jan 2022	29 Oct 2021
Machine Age	mls	Client Info		**0**	0	0
Oil Age	mls	Client Info		**0**	0	0
Oil Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**ABNORMAL**	SEVERE	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	▲ **32**	20	7
Chromium	ppm	ASTM D5185m	>20	**5**	3	1
Nickel	ppm	ASTM D5185m	>20	▲ **20**	13	6
Titanium	ppm	ASTM D5185m		**0**	0	0
Silver	ppm	ASTM D5185m		**<1**	<1	0
Aluminum	ppm	ASTM D5185m	>20	**0**	<1	0
Lead	ppm	ASTM D5185m	>20	**0**	0	<1
Copper	ppm	ASTM D5185m	>20	**9**	5	3
Tin	ppm	ASTM D5185m	>20	**0**	<1	<1
Antimony	ppm	ASTM D5185m		**0**	0	<1
Vanadium	ppm	ASTM D5185m		**0**	0	0
Cadmium	ppm	ASTM D5185m		**<1**	0	0

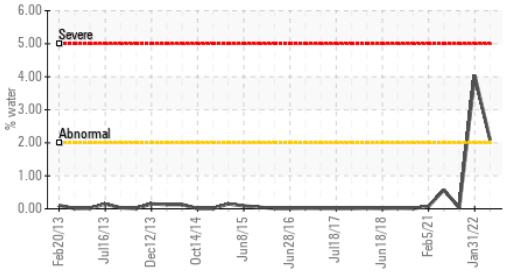
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**4**	1	0
Barium	ppm	ASTM D5185m		**0**	0	0
Molybdenum	ppm	ASTM D5185m		**<1**	<1	<1
Manganese	ppm	ASTM D5185m		**<1**	<1	0
Magnesium	ppm	ASTM D5185m		**<1**	0	<1
Calcium	ppm	ASTM D5185m		**17**	10	7
Phosphorus	ppm	ASTM D5185m		**67**	52	35
Zinc	ppm	ASTM D5185m		**13**	4	3
Sulfur	ppm	ASTM D5185m		**11515**	9220	7449

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	**9**	7	4
Sodium	ppm	ASTM D5185m		**31**	15	3
Potassium	ppm	ASTM D5185m	>20	**2**	0	1
Water	%	ASTM D6304	>2	▲ **2.09**	⬢ 4.04	---
ppm Water	ppm	ASTM D6304		▲ **20900**	⬢ 40400	---

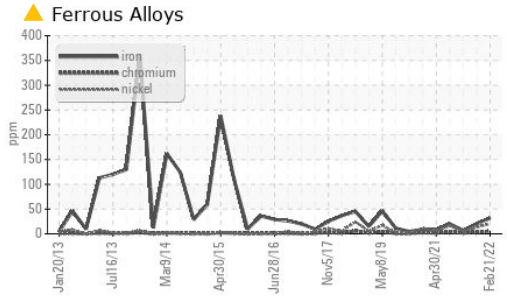
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		**0.37**	0.351	0.357

OIL ANALYSIS REPORT

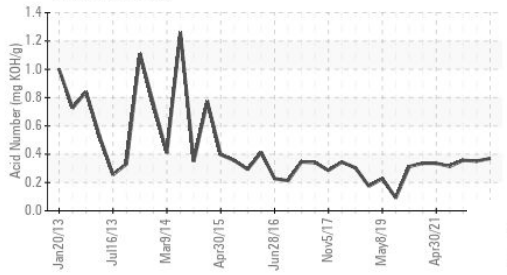
Water



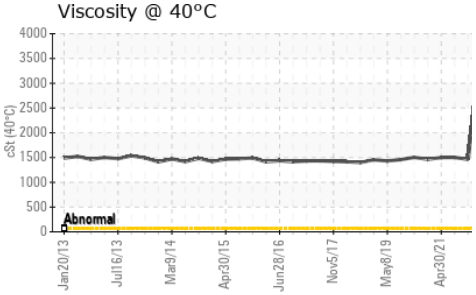
Ferrous Alloys



Acid Number

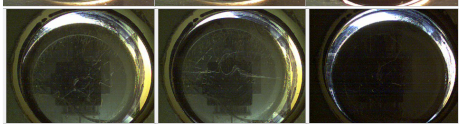


Viscosity @ 40°C



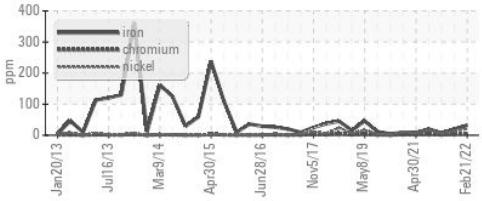
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**LIGHT**	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	▲ MODER	NONE
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	**THICK**	NORML	NORML
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual	>2	▲ **0.2%**	⬢ 0.2%	NEG
Free Water	scalar	*Visual		**NEG**	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		**1500**	3802	1463

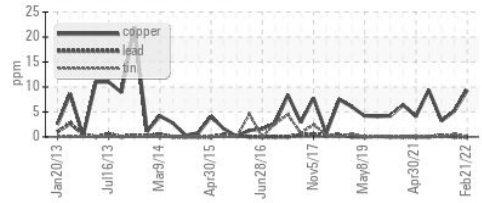
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS

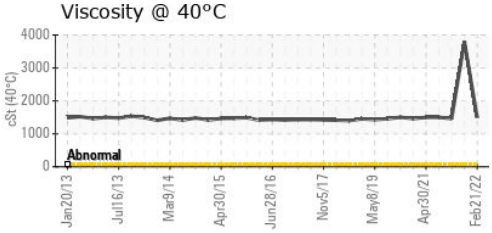
Ferrous Alloys



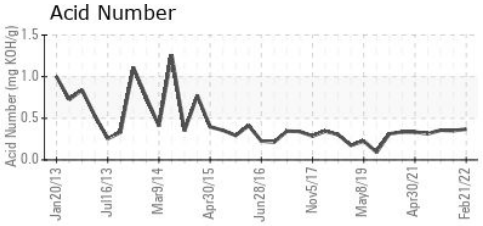
Non-ferrous Metals



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0625255 **Received** : 24 Feb 2022
Lab Number : 05477074 **Diagnosed** : 28 Feb 2022
Unique Number : 9866288 **Diagnostician** : Jonathan Hester
Test Package : IND 2 (Additional Tests: KF)

To discuss this sample report, contact Customer Service at 1-800-237-1369.
** - Denotes test methods that are outside of the ISO 17025 scope of accreditation.*
Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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