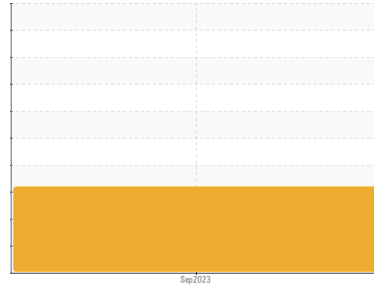


PROBLEM SUMMARY

Sample Rating Trend

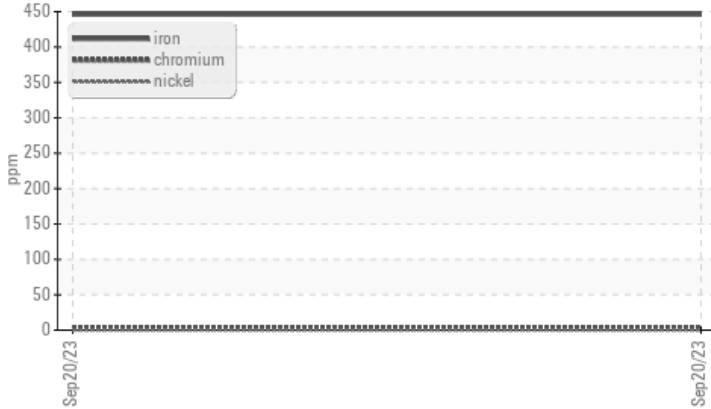
WEAR

Area
OCC AND PULP
 Machine Id
423.0910 B DECKER STOCK CHEST AGITATOR
 Component
Agitator Gearbox
 Fluid
SHELL OMALA S2 GX 220 (--- GAL)



COMPONENT CONDITION SUMMARY

▲ Ferrous Alloys



▲ Particle Trend



RECOMMENDATION

We recommend you service the filters on this component if applicable. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Iron	ppm	ASTM D5185m	>150	▲ 446	---	---
Particles >4µm		ASTM D7647	>20000	▲ 277829	---	---
Particles >6µm		ASTM D7647	>5000	▲ 246779	---	---
Particles >14µm		ASTM D7647	>640	▲ 102686	---	---
Particles >21µm		ASTM D7647	>160	▲ 31805	---	---
Particles >38µm		ASTM D7647	>40	▲ 374	---	---
Oil Cleanliness		ISO 4406 (c)	>21/19/16	▲ 25/25/24	---	---

Customer Id: PORPORWA
 Sample No.: PE0000931
 Lab Number: 05968797
 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

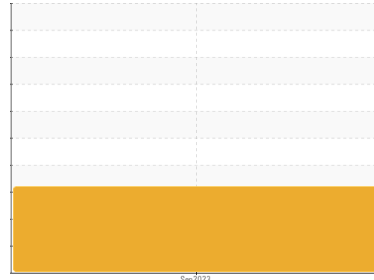
To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter	---	---	?	We recommend you service the filters on this component if applicable.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

Area
OCC AND PULP
 Machine Id
423.0910 B DECKER STOCK CHEST AGITATOR
 Component
Agitator Gearbox
 Fluid
SHELL OMALA S2 GX 220 (--- GAL)



DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. We recommend an early resample to monitor this condition.

Wear

Gear wear is indicated.

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PE0000931	---	---
Sample Date	Client Info	20 Sep 2023	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.1	NEG	---	---

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184	597	---	---
Iron	ppm ASTM D5185m >150	▲ 446	---	---
Chromium	ppm ASTM D5185m >10	4	---	---
Nickel	ppm ASTM D5185m >10	<1	---	---
Titanium	ppm ASTM D5185m	0	---	---
Silver	ppm ASTM D5185m	0	---	---
Aluminum	ppm ASTM D5185m >25	2	---	---
Lead	ppm ASTM D5185m >100	0	---	---
Copper	ppm ASTM D5185m >50	<1	---	---
Tin	ppm ASTM D5185m >10	0	---	---
Vanadium	ppm ASTM D5185m	0	---	---
Cadmium	ppm ASTM D5185m	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 6.2	0	---	---
Barium	ppm ASTM D5185m 0.0	0	---	---
Molybdenum	ppm ASTM D5185m 0	<1	---	---
Manganese	ppm ASTM D5185m	2	---	---
Magnesium	ppm ASTM D5185m 0	<1	---	---
Calcium	ppm ASTM D5185m 0.0	7	---	---
Phosphorus	ppm ASTM D5185m 290	502	---	---
Zinc	ppm ASTM D5185m 3.8	157	---	---
Sulfur	ppm ASTM D5185m 8167	1224	---	---

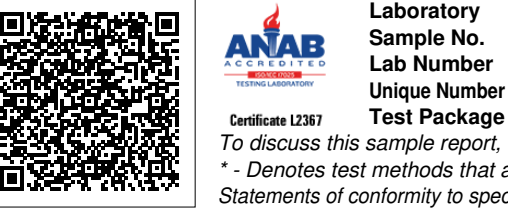
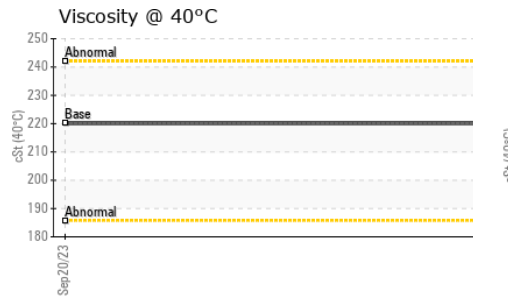
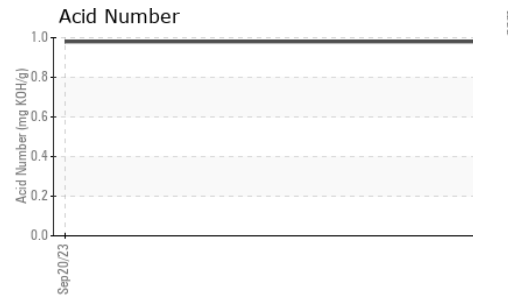
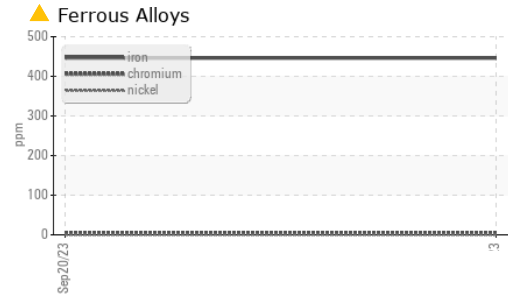
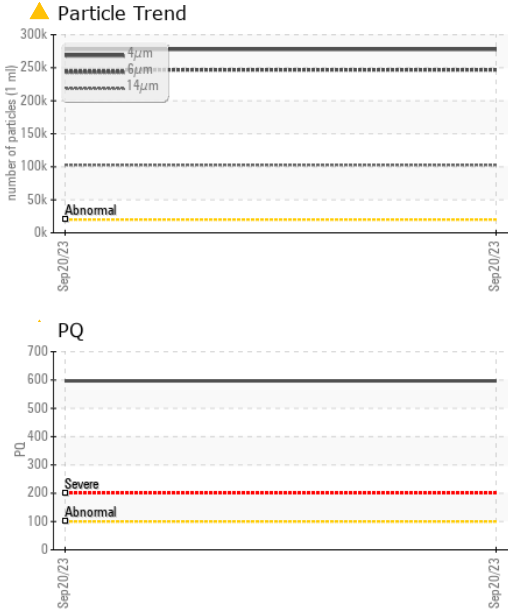
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >50	6	---	---
Sodium	ppm ASTM D5185m	1	---	---
Potassium	ppm ASTM D5185m >20	<1	---	---

FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >20000	▲ 277829	---	---
Particles >6µm	ASTM D7647 >5000	▲ 246779	---	---
Particles >14µm	ASTM D7647 >640	▲ 102686	---	---
Particles >21µm	ASTM D7647 >160	▲ 31805	---	---
Particles >38µm	ASTM D7647 >40	▲ 374	---	---
Particles >71µm	ASTM D7647 >10	7	---	---
Oil Cleanliness	ISO 4406 (c) >21/19/16	▲ 25/25/24	---	---

OIL ANALYSIS REPORT

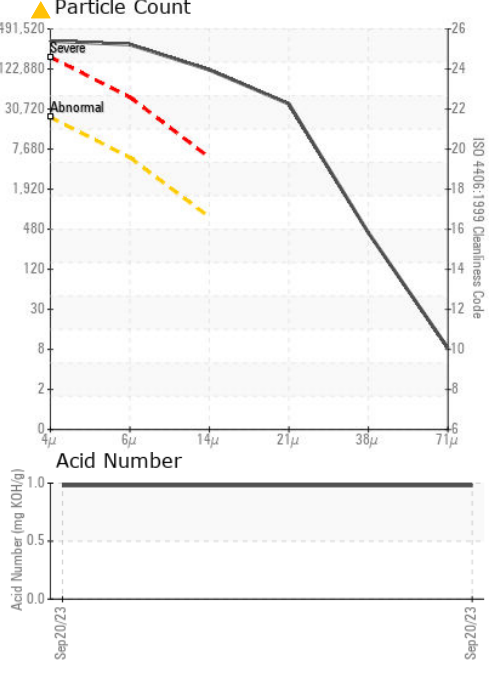
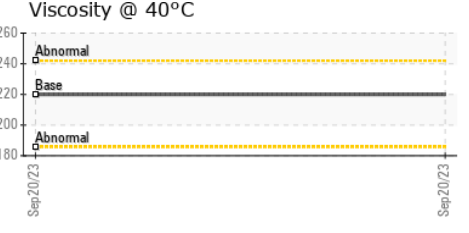
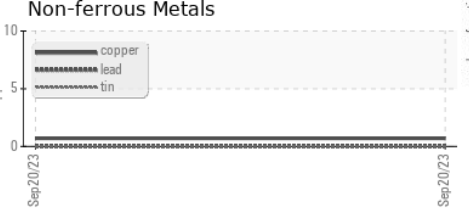
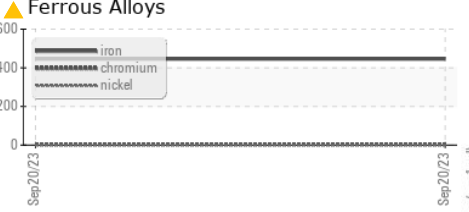


FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.98	---	---
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	LIGHT	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---	---
Free Water	scalar	*Visual		NEG	---	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	220	220	---	---

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PE0000931 **Received** : 04 Oct 2023
Lab Number : **05968797** **Diagnosed** : 06 Oct 2023
Unique Number : 10675348 **Diagnostician** : Don Baldrige
Test Package : PLANT (Additional Tests: ICP, KV40, PQ, PrtCount, SCREEN)
 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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