



PROBLEM SUMMARY

Sample Rating Trend

WEAR



Area
[23-00903723-000]

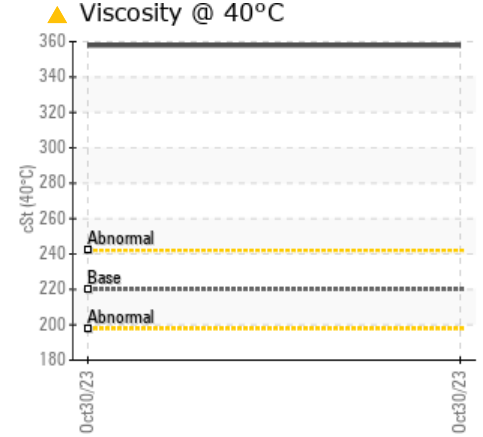
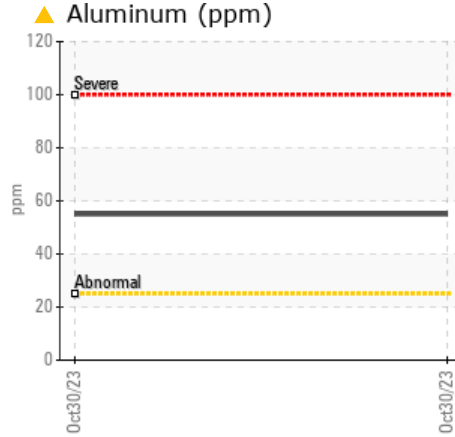
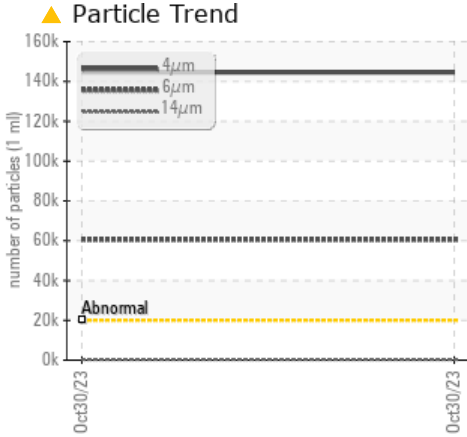
Machine Id
INCLINE CONVEYOR THAT ACCEPTS DOUGH FROM SHEETER

Component
Gearbox

Fluid
GEAR OIL ISO 220 (--- GAL)



COMPONENT CONDITION SUMMARY



RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Aluminum	ppm	ASTM D5185m	>25	▲ 55	---	---
Particles >4µm		ASTM D7647	>20000	▲ 144548	---	---
Particles >6µm		ASTM D7647	>5000	▲ 60598	---	---
Oil Cleanliness		ISO 4406 (c)	>21/19/16	▲ 24/23/15	---	---
Visc @ 40°C	cSt	ASTM D445	220	▲ 357.9	---	---

Customer Id: COUBOW
Sample No.: USP243593
Lab Number: 05995039
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
Doug Bogart +1 (800)237-1369 x4016
dougb@wearcheckusa.com

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

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend

WEAR

Area
[23-00903723-000]

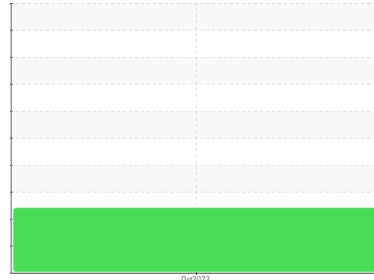
Machine Id
INCLINE CONVEYOR THAT ACCEPTS DOUGH FROM SHEETER

Component

Gearbox

Fluid

GEAR OIL ISO 220 (--- GAL)



DIAGNOSIS

▲ Recommendation

Resample at the next service interval to monitor.

▲ Wear

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

▲ Contamination

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

▲ Fluid Condition

The oil viscosity is higher than normal. Confirmed. The AN level is acceptable for this fluid.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		USP243593	---	---
Sample Date	Client Info		30 Oct 2023	---	---
Machine Age	hrs	Client Info	0	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			ABNORMAL	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	89	---
Chromium	ppm	ASTM D5185m	>15	1	---
Nickel	ppm	ASTM D5185m	>15	0	---
Titanium	ppm	ASTM D5185m		<1	---
Silver	ppm	ASTM D5185m		0	---
Aluminum	ppm	ASTM D5185m	>25	▲ 55	---
Lead	ppm	ASTM D5185m	>100	0	---
Copper	ppm	ASTM D5185m	>200	0	---
Tin	ppm	ASTM D5185m	>25	0	---
Vanadium	ppm	ASTM D5185m		0	---
Cadmium	ppm	ASTM D5185m		0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	<1	---
Barium	ppm	ASTM D5185m	15	0	---
Molybdenum	ppm	ASTM D5185m	15	0	---
Manganese	ppm	ASTM D5185m		1	---
Magnesium	ppm	ASTM D5185m	50	0	---
Calcium	ppm	ASTM D5185m	50	74	---
Phosphorus	ppm	ASTM D5185m	350	490	---
Zinc	ppm	ASTM D5185m	100	<1	---
Sulfur	ppm	ASTM D5185m	12500	2928	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	48	---
Sodium	ppm	ASTM D5185m		36	---
Potassium	ppm	ASTM D5185m	>20	2	---
Water	%	ASTM D6304	>0.2	0.003	---
ppm Water	ppm	ASTM D6304	>2000	30.0	---

FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>20000	▲ 144548	---	---
Particles >6µm	ASTM D7647	>5000	▲ 60598	---	---
Particles >14µm	ASTM D7647	>640	307	---	---
Particles >21µm	ASTM D7647	>160	31	---	---
Particles >38µm	ASTM D7647	>40	2	---	---
Particles >71µm	ASTM D7647	>10	0	---	---
Oil Cleanliness	ISO 4406 (c)	>21/19/16	▲ 24/23/15	---	---

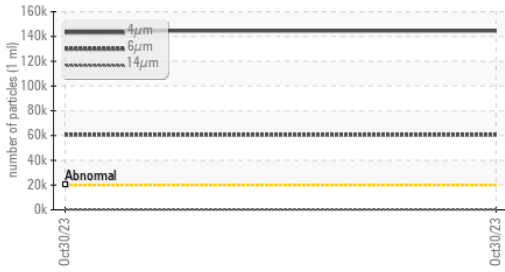
FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	0.37	---

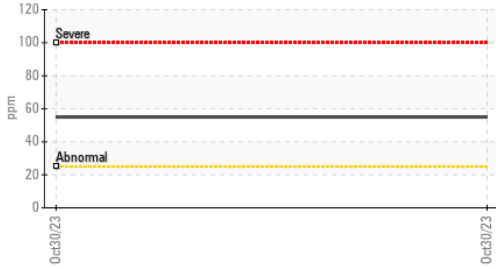


OIL ANALYSIS REPORT

Particle Trend



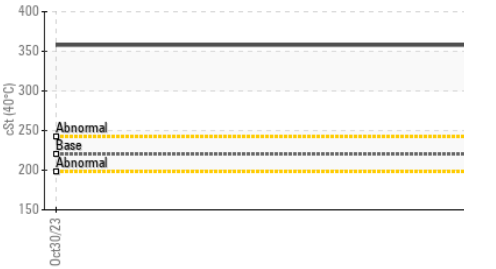
Aluminum (ppm)



Water (KF)



Viscosity @ 40°C



Acid Number



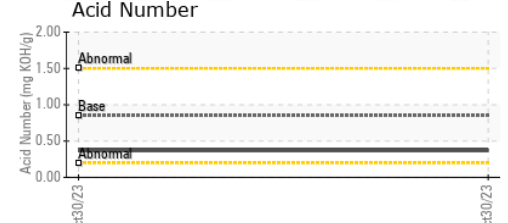
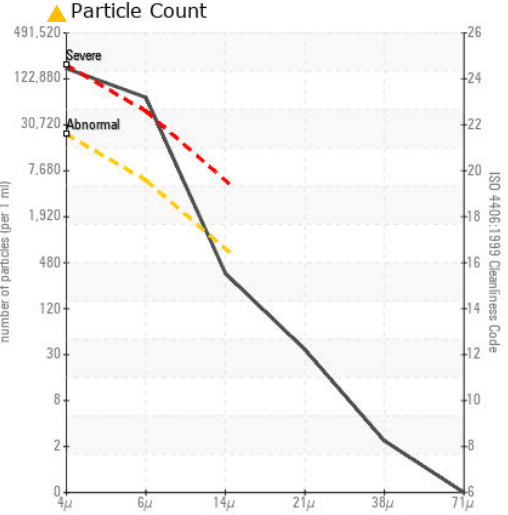
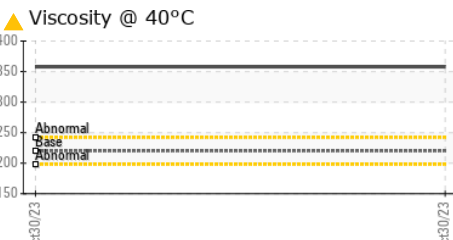
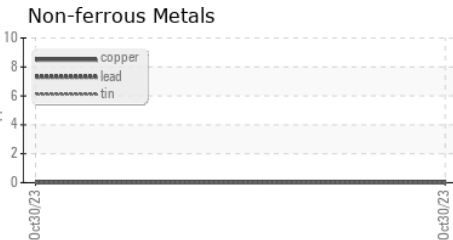
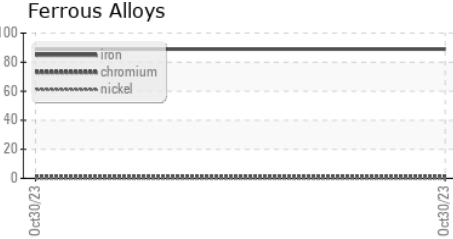
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	220	▲ 357.9	---

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : USP243593 **Received** : 31 Oct 2023
Lab Number : 05995039 **Diagnosed** : 03 Nov 2023
Unique Number : 10723399 **Diagnostician** : Doug Bogart
Test Package : IND 2

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 BOWLING GREEN, KY
 US 42101
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Certificate L2367
 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)