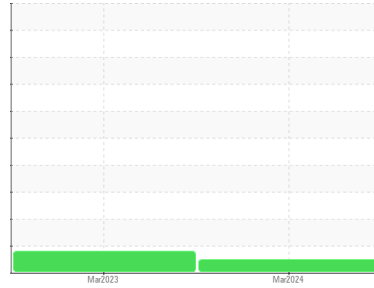




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
COX CH150A-23120-01-1U (S/N 9302453)
 Component
Auxiliary Hoist
 Fluid
GEAR OIL ISO 220 (--- QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination 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		WC0892572	WC0712883	---
Sample Date	Client Info		13 Mar 2024	30 Mar 2023	---
Machine Age	yrs	Client Info	0	0	---
Oil Age	yrs	Client Info	0	0	---
Oil Changed	Client Info		Not Changed	Changed	---
Sample Status			NORMAL	ABNORMAL	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.05	NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	3	▲ 40	---
Chromium	ppm	ASTM D5185m >20	0	0	---
Nickel	ppm	ASTM D5185m >20	0	0	---
Titanium	ppm	ASTM D5185m	0	0	---
Silver	ppm	ASTM D5185m	0	0	---
Aluminum	ppm	ASTM D5185m >20	0	0	---
Lead	ppm	ASTM D5185m >20	0	0	---
Copper	ppm	ASTM D5185m >20	<1	9	---
Tin	ppm	ASTM D5185m >20	0	0	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 50	8	16	---
Barium	ppm	ASTM D5185m 15	0	0	---
Molybdenum	ppm	ASTM D5185m 15	0	0	---
Manganese	ppm	ASTM D5185m	0	<1	---
Magnesium	ppm	ASTM D5185m 50	0	2	---
Calcium	ppm	ASTM D5185m 50	0	14	---
Phosphorus	ppm	ASTM D5185m 350	240	242	---
Zinc	ppm	ASTM D5185m 100	0	15	---
Sulfur	ppm	ASTM D5185m 12500	8602	8032	---

CONTAMINANTS

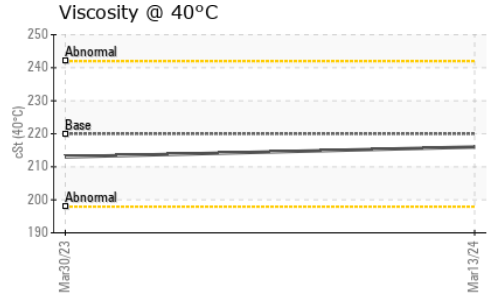
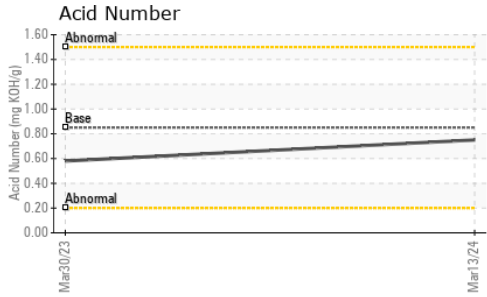
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	<1	7	---
Sodium	ppm	ASTM D5185m	<1	<1	---
Potassium	ppm	ASTM D5185m >20	0	0	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.85	0.75	0.58	---



OIL ANALYSIS REPORT



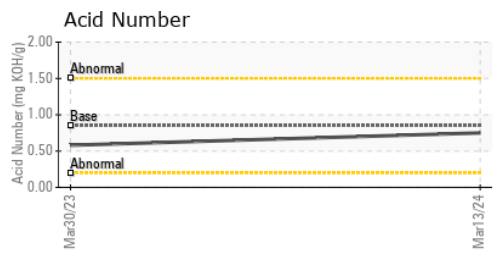
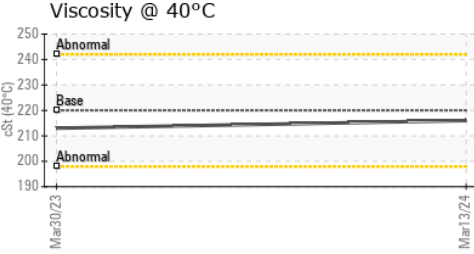
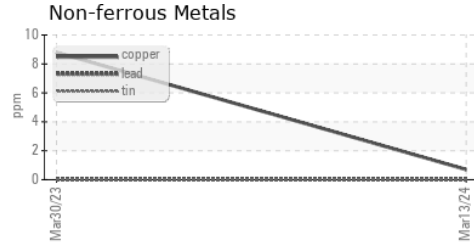
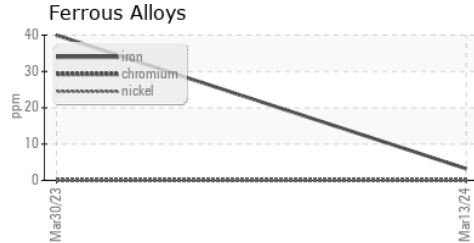
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	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 D445	220	216	213	---

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0892572 **Received** : 08 Apr 2024
Lab Number : **06141514** **Tested** : 09 Apr 2024
Unique Number : 10966322 **Diagnosed** : 10 Apr 2024 - Don Baldrige
Test Package : IND 2

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 308 GALBERT ROAD
 LAFAYETTE, LA
 US 70506
 Contact: TONY VALLERY
 tvallery@seatrax.com
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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)