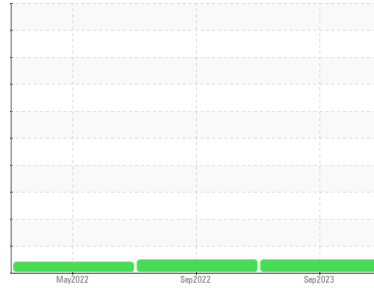




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
COX CH165A-25120-01-1 (S/N 1100217)

Component
Auxiliary Winch

Fluid
CHEVRON MEROPA 220 (--- GAL)

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 acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0825739	WC0675746	WC0675847
Sample Date	Client Info			11 Sep 2023	11 Sep 2022	05 May 2022
Machine Age	yrs	Client Info		0	0	0
Oil Age	yrs	Client Info		0	1	1
Oil Changed	Client Info			Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	ATTENTION

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>150	96	85	106
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		<1	<1	6
Aluminum	ppm	ASTM D5185m	>25	1	1	3
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>50	2	2	3
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	1

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	40	19	11	136
Barium	ppm	ASTM D5185m		3	6	6
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		2	1	1
Magnesium	ppm	ASTM D5185m		4	1	0
Calcium	ppm	ASTM D5185m		16	14	10
Phosphorus	ppm	ASTM D5185m	270	244	224	251
Zinc	ppm	ASTM D5185m		128	121	180
Sulfur	ppm	ASTM D5185m	8600	6768	7342	7101

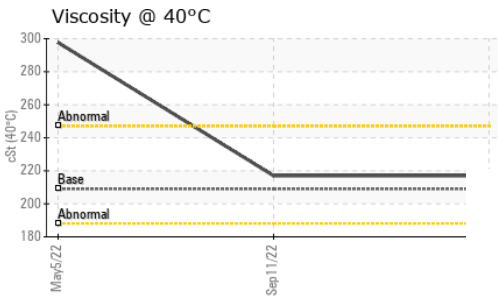
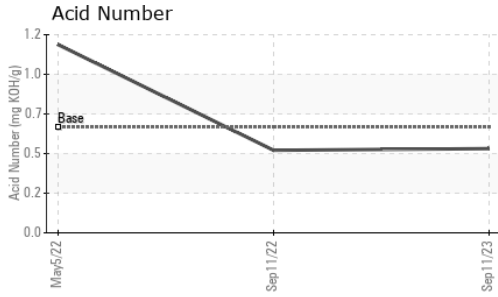
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	17	13	43
Sodium	ppm	ASTM D5185m		1	0	2
Potassium	ppm	ASTM D5185m	>20	<1	0	0

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.64	0.51	0.50	1.14

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	MODER	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	MODER	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

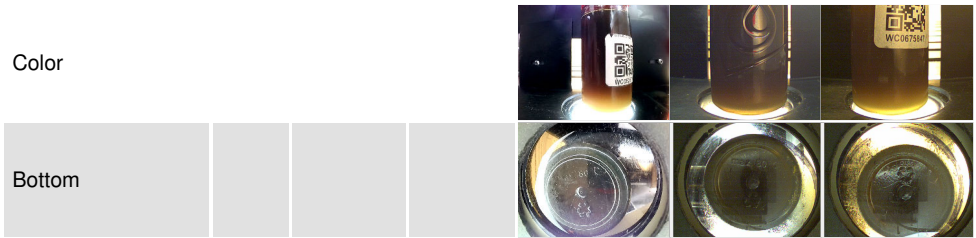


OIL ANALYSIS REPORT

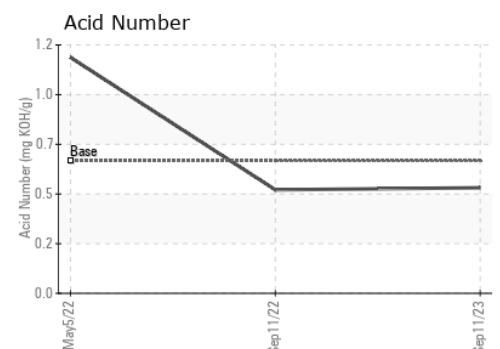
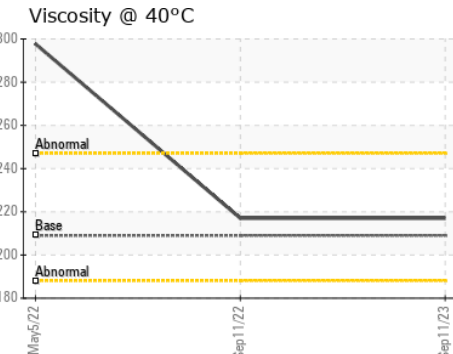
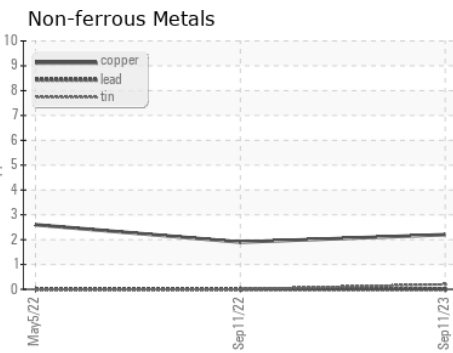
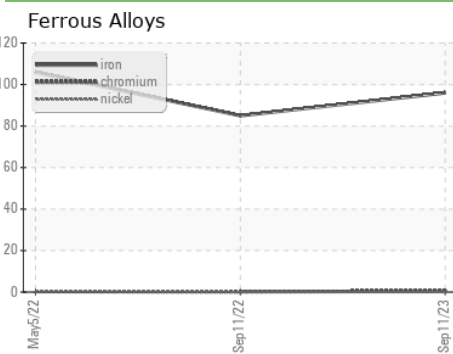


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 209	217	217	▲ 297.7

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0825739 **Received** : 03 Oct 2023
Lab Number : 05967910 **Diagnosed** : 05 Oct 2023
Unique Number : 10674461 **Diagnostician** : Don Baldrige
Test Package : IND 2

SEATRAX INC
 308 GALBERT ROAD
 LAFAYETTE, LA
 US 70506
 Contact: LORIA HUVAL
 LORIA.HUVAL@SEATRAX.COM
 T:
 F: (337)706-7901

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)