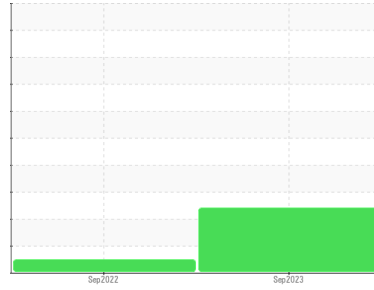




PROBLEM SUMMARY

Sample Rating Trend



WATER



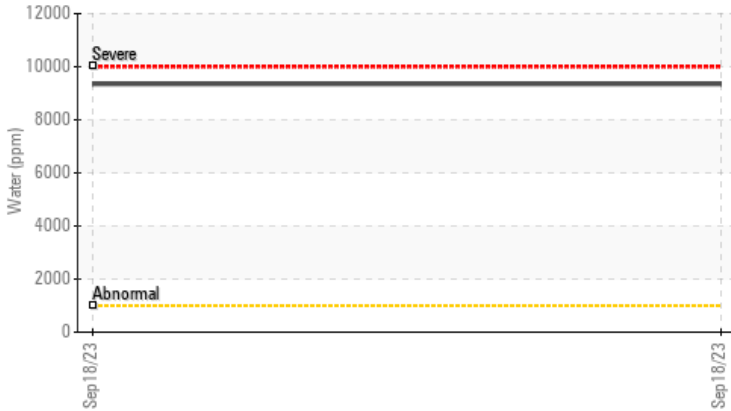
Machine Id
SMI SMI 212-A (S/N 9806619)

Component
Main Winch

Fluid
CHEVRON MEROPA 220 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Water (KF)



RECOMMENDATION

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	NORMAL	---
Water	%	ASTM D6304	>0.1	▲ 0.935	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ 9350	---	---
Appearance	scalar	*Visual	NORML	▲ MILKY	NORML	---

Customer Id: SEALAF
Sample No.: WC0825779
Lab Number: 05964750
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
Resample	---	---	?	We recommend an early resample to monitor this condition.
Check Water Access	---	---	?	We advise that you check for the source of water entry.

HISTORICAL DIAGNOSIS

24 Sep 2022 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 condition of the oil is acceptable for the time in service. Insufficient sample was received to conduct all the routine laboratory tests.

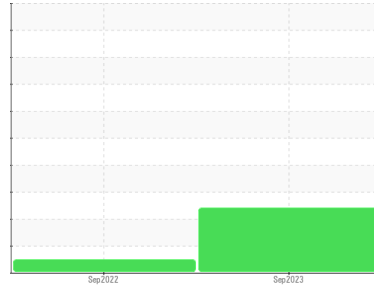
view report





OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id
SMI SMI 212-A (S/N 9806619)

Component
Main Winch
Fluid
CHEVRON MEROPA 220 (--- GAL)

DIAGNOSIS

▲ Recommendation

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

▲ Contamination

Appearance is milky. There is a high concentration of water present in the oil.

Fluid Condition

The AN level is acceptable for this fluid.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0825779	WC0675742	---
Sample Date	Client Info			18 Sep 2023	24 Sep 2022	---
Machine Age	yrs	Client Info		0	0	---
Oil Age	yrs	Client Info		0	1	---
Oil Changed	Client Info			Changed	Changed	---
Sample Status				ABNORMAL	NORMAL	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>150	29	6	---
Chromium	ppm	ASTM D5185m	>10	0	0	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		1	0	---
Aluminum	ppm	ASTM D5185m	>25	2	<1	---
Lead	ppm	ASTM D5185m	>100	0	0	---
Copper	ppm	ASTM D5185m	>50	3	2	---
Tin	ppm	ASTM D5185m	>10	<1	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
Cadmium	ppm	ASTM D5185m		<1	0	---

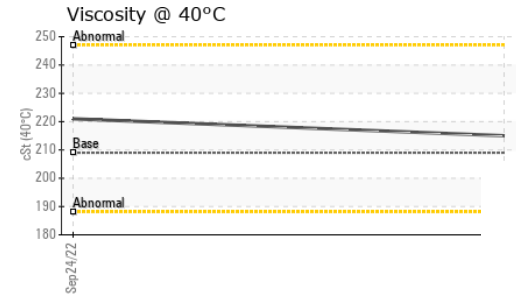
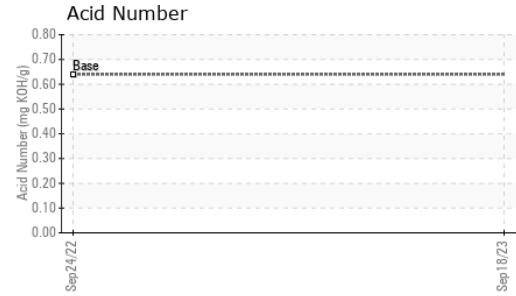
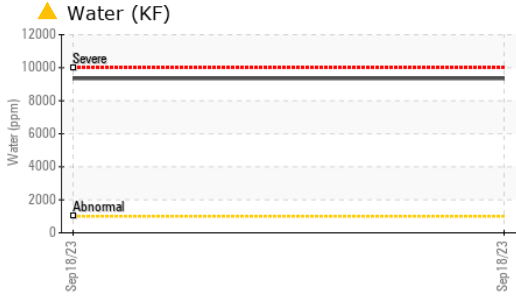
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	40	52	9	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		0	0	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		1	1	---
Calcium	ppm	ASTM D5185m		11	7	---
Phosphorus	ppm	ASTM D5185m	270	234	250	---
Zinc	ppm	ASTM D5185m		6	<1	---
Sulfur	ppm	ASTM D5185m	8600	7206	10731	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	2	1	---
Sodium	ppm	ASTM D5185m		5	0	---
Potassium	ppm	ASTM D5185m	>20	15	0	---
Water	%	ASTM D6304	>0.1	▲ 0.935	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ 9350	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.64	0.70	---	---



OIL ANALYSIS REPORT





VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	LIGHT	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	LIGHT	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	MILKY	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	0.2%	NEG	---
Free Water	scalar	*Visual		NEG	NEG	---



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 209	215	221	---

SAMPLE IMAGES

	method	limit/base	current	history1	history2
Color					
Bottom					

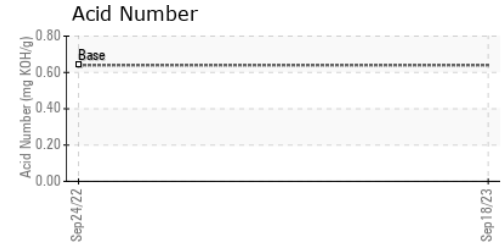
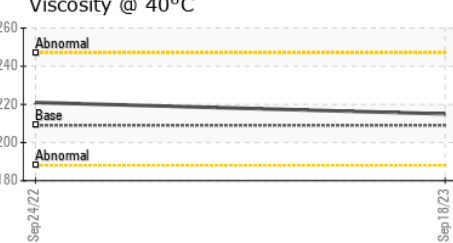
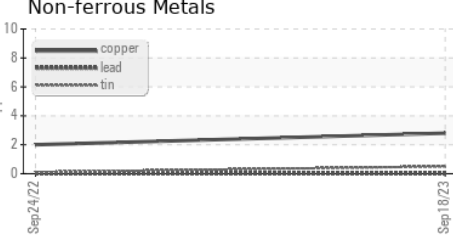
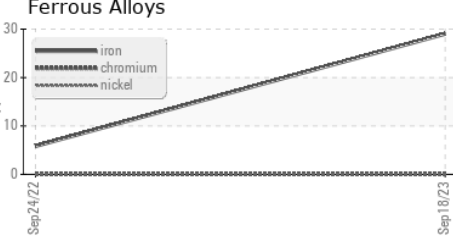



no image

no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0825779 **Received** : 29 Sep 2023
Lab Number : 05964750 **Diagnosed** : 03 Oct 2023
Unique Number : 10671301 **Diagnostician** : Jonathan Hester
Test Package : IND 2 (Additional Tests: KF)

SEATRAX INC
 308 GALBERT ROAD
 LAFAYETTE, LA
 US 70506
 Contact: TONY VALLERY
 tvallery@seatrax.com
 T: (337)706-7900
 F: (337)706-7901

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)