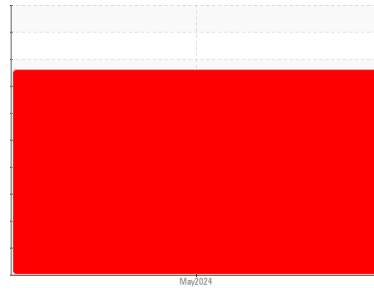




PROBLEM SUMMARY

Area
HYBON SYNTHETIC 150
 Machine Id
QUINCY TU261 - HYBON ENGINEERING
 Component
Compressor

Sample Rating Trend

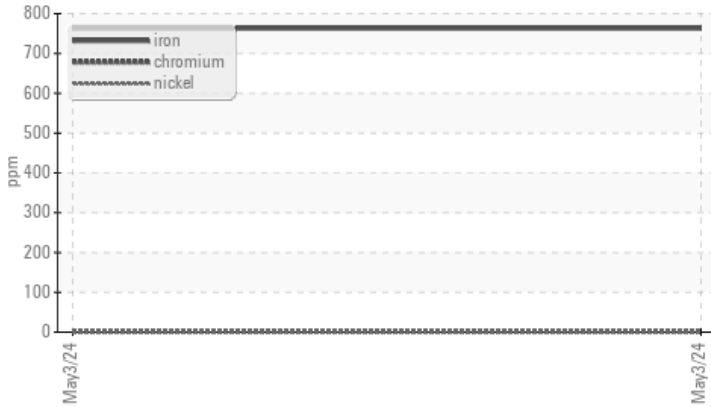


WEAR

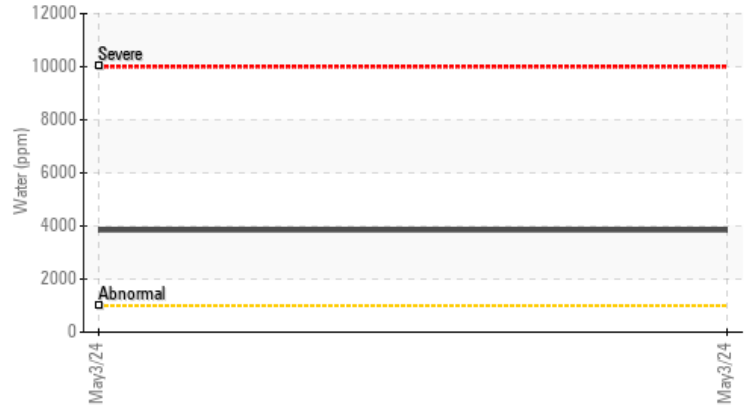


COMPONENT CONDITION SUMMARY

▲ Ferrous Alloys



▲ Water (KF)



RECOMMENDATION

We advise that you inspect for the source(s) of wear.
 We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	---	---
Iron	ppm	ASTM D5185m	>50	▲ 763	---	---
Water	%	ASTM D6304	>0.1	▲ 0.384	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ 3840	---	---

Customer Id: UCCIMEVA
 Sample No.: UCH06219872
 Lab Number: 06219872
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Angela Borella +1 800-237-1369
angela.borella@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
Inspect Wear Source	MISSED	Jun 27 2024	?	We advise that you inspect for the source(s) of wear.
Resample	MISSED	Jun 27 2024	?	We recommend an early resample to monitor this condition.
Information Required	MISSED	Jun 27 2024	?	Please specify the brand, type, and viscosity of the oil on your next sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



Area
HYBON SYNTHETIC 150
 Machine Id
QUINCY TU261 - HYBON ENGINEERING
 Component
Compressor



DIAGNOSIS

▲ Recommendation

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

▲ Wear

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

▲ Contamination

There is a light concentration of water present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		UCH06219872	---	---
Sample Date	Client Info		03 May 2024	---	---
Machine Age	hrs	Client Info	4768	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			SEVERE	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	▲ 763	---	---
Chromium	ppm	ASTM D5185m >10	2	---	---
Nickel	ppm	ASTM D5185m	2	---	---
Titanium	ppm	ASTM D5185m	<1	---	---
Silver	ppm	ASTM D5185m	0	---	---
Aluminum	ppm	ASTM D5185m >25	6	---	---
Lead	ppm	ASTM D5185m >25	0	---	---
Copper	ppm	ASTM D5185m >50	2	---	---
Tin	ppm	ASTM D5185m >15	0	---	---
Vanadium	ppm	ASTM D5185m	<1	---	---
Cadmium	ppm	ASTM D5185m	0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	2	---	---
Barium	ppm	ASTM D5185m	0	---	---
Molybdenum	ppm	ASTM D5185m	0	---	---
Manganese	ppm	ASTM D5185m	8	---	---
Magnesium	ppm	ASTM D5185m	2	---	---
Calcium	ppm	ASTM D5185m	5	---	---
Phosphorus	ppm	ASTM D5185m	616	---	---
Zinc	ppm	ASTM D5185m	17	---	---
Sulfur	ppm	ASTM D5185m	538	---	---

CONTAMINANTS

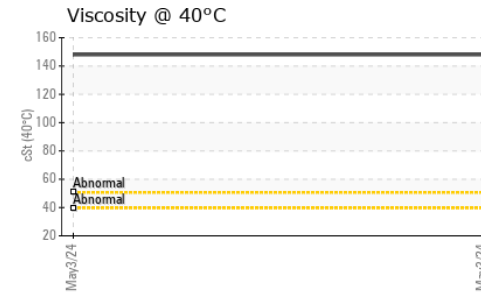
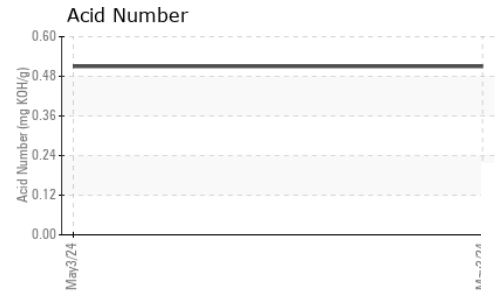
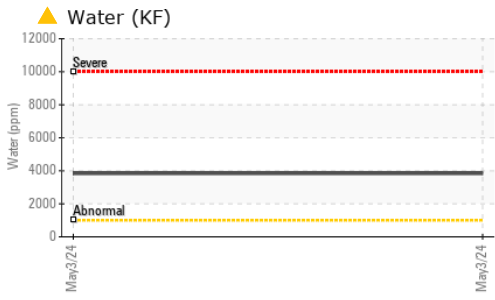
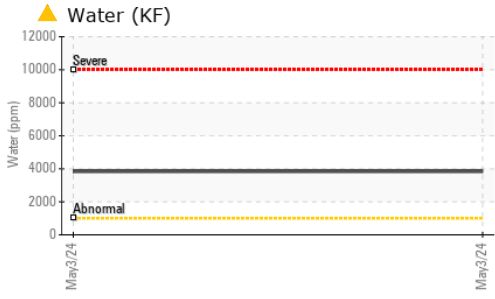
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	12	---	---
Sodium	ppm	ASTM D5185m	56	---	---
Potassium	ppm	ASTM D5185m >20	4	---	---
Water	%	ASTM D6304 >0.1	▲ 0.384	---	---
ppm Water	ppm	ASTM D6304 >1000	▲ 3840	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.51	---	---



OIL ANALYSIS REPORT



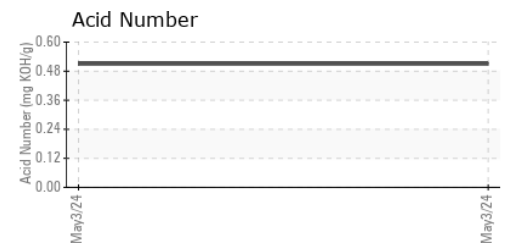
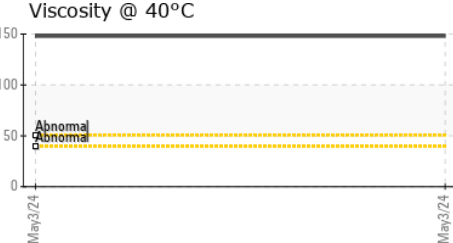
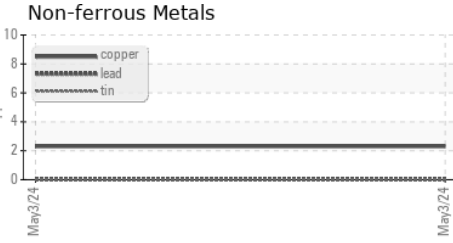
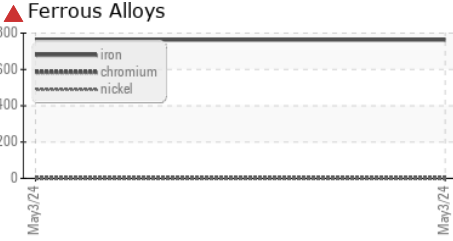
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	148	---	---

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. : UCH06219872 **Received** : 25 Jun 2024
Lab Number : 06219872 **Tested** : 26 Jun 2024
Unique Number : 11098069 **Diagnosed** : 27 Jun 2024 - Angela Borella
Test Package : IND 2 (Additional Tests: KF)

CIMARRON FIELD SERVICES
 1400 42ND ST
 EVANS, CO
 US 80620
 Contact: COLLEEN GRIFFITH
 CGRIFFITH@CIMARRON.COM

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)

T:
F: