

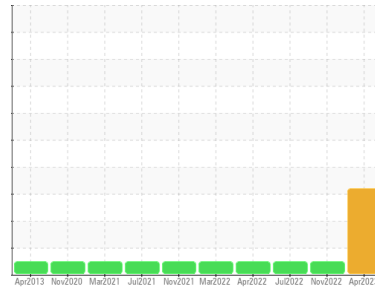


PROBLEM SUMMARY

Sample Rating Trend

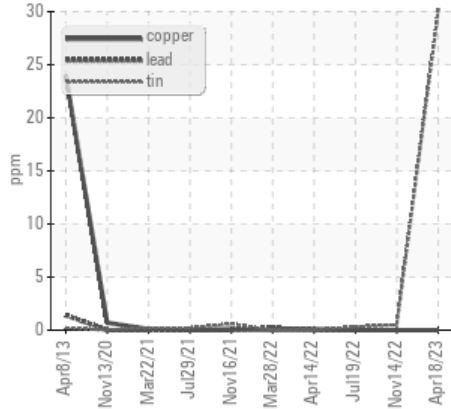
VISUAL METAL

Area
LTL DIAMOND 50B
 Machine Id
RC0160-B032-01016 C11081 - ALL CLAD
 Component
Compressor

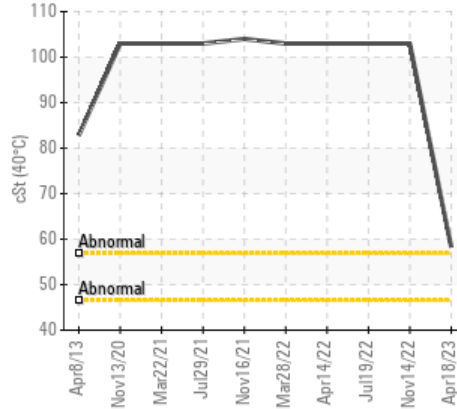


COMPONENT CONDITION SUMMARY

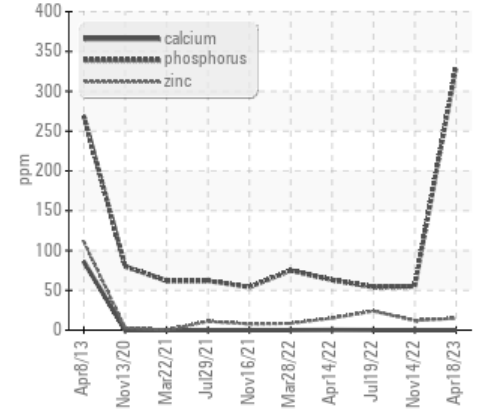
▲ Non-ferrous Metals



▲ Viscosity @ 40°C



▲ Additives



RECOMMENDATION

No corrective action is recommended at this time.
 Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	NORMAL	NORMAL
Tin	ppm	ASTM D5185m	>15	▲ 30	<1	<1
Phosphorus	ppm	ASTM D5185m		▲ 331	55	54
White Metal	scalar	*Visual	NONE	▲ MODER	NONE	NONE
Debris	scalar	*Visual	NONE	▲ MODER	NONE	NONE
Visc @ 40°C	cSt	ASTM D445		▲ 58.3	103	103

Customer Id: UCROCOVER
 Sample No.: UCH05824162
 Lab Number: 05824162
 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

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

14 Nov 2022 Diag: Jonathan Hester

NORMAL



Resample at the next service interval to monitor. Please note that this is a corrected copy for laboratory data updates. All component wear rates are normal. There is no indication of any contamination in the oil. Chlorine 80.9 ppm. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



19 Jul 2022 Diag: Jonathan Hester

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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



14 Apr 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. Chlorine 43.1 ppm. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



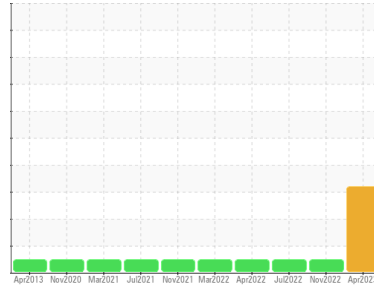


OIL ANALYSIS REPORT

Sample Rating Trend

VISUAL METAL

Area
LTL DIAMOND 50B
 Machine Id
RC0160-B032-01016 C11081 - ALL CLAD
 Component
Compressor



DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

The tin level is abnormal. Moderate concentration of visible metal present.

Contamination

There is no indication of any contamination in the oil. Chlorine 59.9 ppm.

Fluid Condition

The oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type. The AN level is acceptable for this fluid.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		UCH05824162	UCH05699075	UCH05605313
Sample Date	Client Info		18 Apr 2023	14 Nov 2022	19 Jul 2022
Machine Age	hrs	Client Info	67860	59027	58974
Oil Age	hrs	Client Info	8217	394	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			ABNORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	0	<1	<1
Chromium	ppm	ASTM D5185m >10	0	0	0
Nickel	ppm	ASTM D5185m	0	0	<1
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m	0	0	<1
Aluminum	ppm	ASTM D5185m >25	0	4	1
Lead	ppm	ASTM D5185m >25	0	0	0
Copper	ppm	ASTM D5185m >50	0	0	0
Tin	ppm	ASTM D5185m >15	▲ 30	<1	<1
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	<1
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0
Manganese	ppm	ASTM D5185m	<1	0	0
Magnesium	ppm	ASTM D5185m	<1	0	0
Calcium	ppm	ASTM D5185m	0	0	0
Phosphorus	ppm	ASTM D5185m	▲ 331	55	54
Zinc	ppm	ASTM D5185m	15	12	24
Sulfur	ppm	ASTM D5185m	29	25	235

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	0	<1	<1
Sodium	ppm	ASTM D5185m	8	<1	0
Potassium	ppm	ASTM D5185m >20	0	0	0
Chlorine Content	ppm	ASTM D5185m	59.9	80.9	---

FLUID DEGRADATION

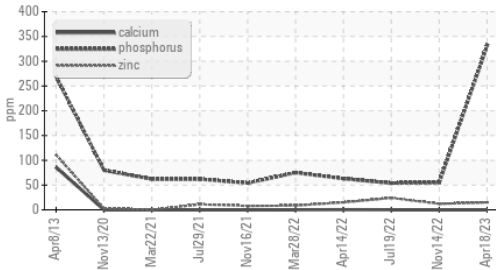
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.23	0.17	0.17

VISUAL

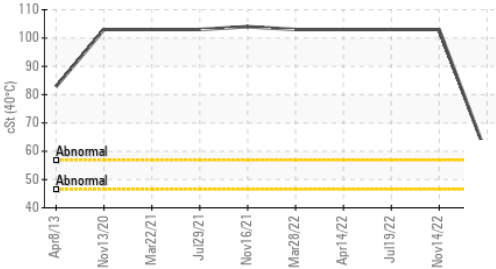
	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	▲ MODER	NONE	NONE
Yellow Metal	scalar	*Visual NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual NONE	NONE	NONE	NONE
Silt	scalar	*Visual NONE	NONE	NONE	NONE
Debris	scalar	*Visual NONE	▲ MODER	NONE	NONE
Sand/Dirt	scalar	*Visual NONE	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

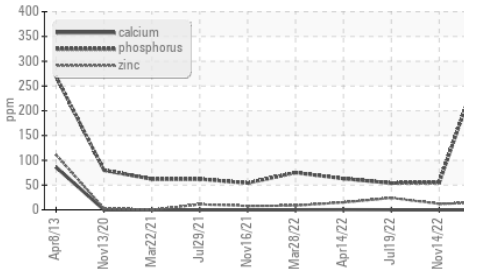
▲ Additives



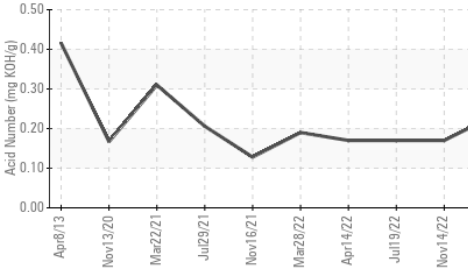
▲ Viscosity @ 40°C



▲ Additives



Acid Number



FLUID PROPERTIES

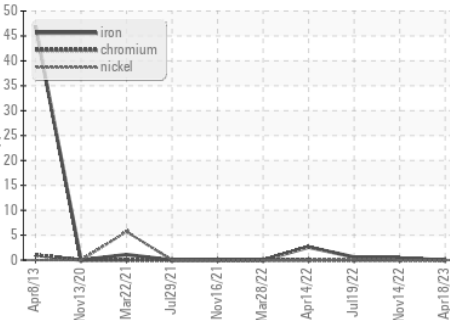
method	limit/base	current	history1	history2
Visc @ 40°C	cSt	▲ 58.3	103	103

SAMPLE IMAGES

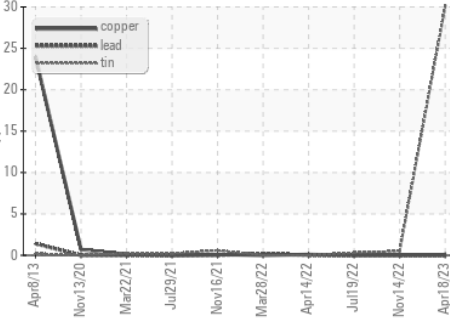
method	limit/base	current	history1	history2
Color				
Bottom				

GRAPHS

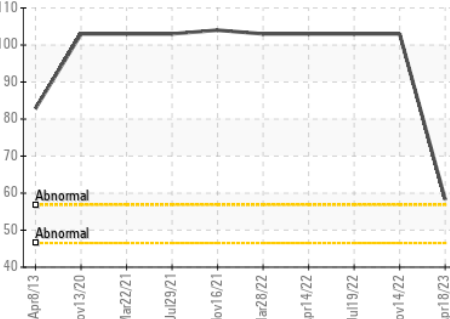
Ferrous Alloys



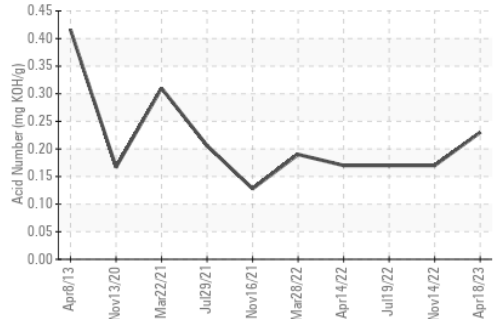
Non-ferrous Metals



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH05824162
Lab Number : 05824162
Unique Number : 10432245
Test Package : IND 2 (Additional Tests: CHLORINEXRF)

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 US 15137
 Contact: DINO PICCOLINO
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 F: (412)824-9271

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)