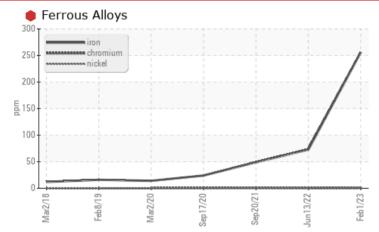


PROBLEM SUMMARY

Area ULTRA COOLANT Machine Id CBV460922 - TIPTON STRUCTURAL Component

Compressor

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. 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	ATTENTION	ATTENTION	
Iron	ppm	ASTM D5185m	>50	e 256	▲ 73	4 9	

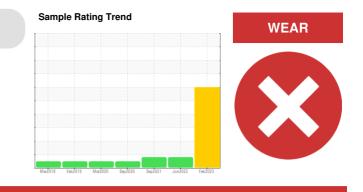
Customer Id: UCALLMOL Sample No.: UCH05762157 Lab Number: 05762157 Test Package: IND 2



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 <u>customerservice@wearcheck.com</u>



RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description		
Inspect Wear Source			?	We advise that you inspect for the source(s) of wear.		
Change Fluid			?	We recommend that you drain the oil from the component if this has not already been done.		
Resample			?	We recommend an early resample to monitor this condition.		

HISTORICAL DIAGNOSIS



WEAR

13 Jun 2022 Diag: Don Baldridge

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The iron level is abnormal. All other component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



view report

20 Sep 2021 Diag: Don Baldridge

No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is marginal. All other 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.

17 Sep 2020 Diag: Angela Borella



The filter change at the time of sampling has been noted. 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.



Report Id: UCALLMOL [WUSCAR] 05762157 (Generated: 01/31/2024 10:10:30) Rev: 1



OIL ANALYSIS REPORT

Area ULTRA COOLANT Machine Id CBV460922 - TIPTON STRUCTURAL Component

Compressor

DIAGNOSIS

Recommendation

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

🛑 Wear

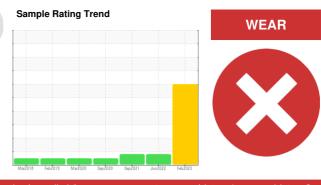
The iron level is severe.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

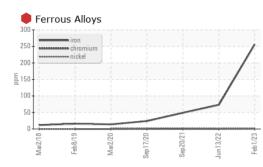
The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

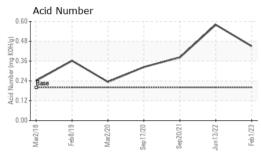


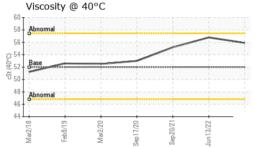
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		UCH05762157	UCH05572418	UCH05362956
Sample Date		Client Info		01 Feb 2023	13 Jun 2022	20 Sep 2021
Machine Age	hrs	Client Info		17314	0	13724
Oil Age	hrs	Client Info		2000	7342	5000
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				SEVERE	ATTENTION	ATTENTION
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	e 256	1 73	4 9
Chromium	ppm	ASTM D5185m	>10	<1	0	<1
Nickel	ppm	ASTM D5185m		<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m		1	2	2
Lead	ppm	ASTM D5185m	>25	0	<1	0
Copper	ppm	ASTM D5185m		14	5	3
Tin	ppm	ASTM D5185m	>15	<1	1	<1
Antimony	ppm	ASTM D5185m				0
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	3	2
Barium	ppm	ASTM D5185m	556	351	310	313
Molybdenum	ppm	ASTM D5185m		<1	<1	0
Manganese	ppm	ASTM D5185m		28	7	5
Magnesium	ppm	ASTM D5185m		3	4	<1
Calcium	ppm	ASTM D5185m	242	32	25	11
Phosphorus	ppm	ASTM D5185m	0	7	4	5
Zinc	ppm	ASTM D5185m	0	100	154	68
Sulfur	ppm	ASTM D5185m	306	281	352	160
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	14	6	3
Sodium	ppm	ASTM D5185m		91	99	94
Potassium	ppm	ASTM D5185m	>20	4	6	4
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.2	0.45	0.58	0.382



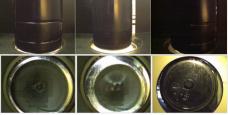
OIL ANALYSIS REPORT



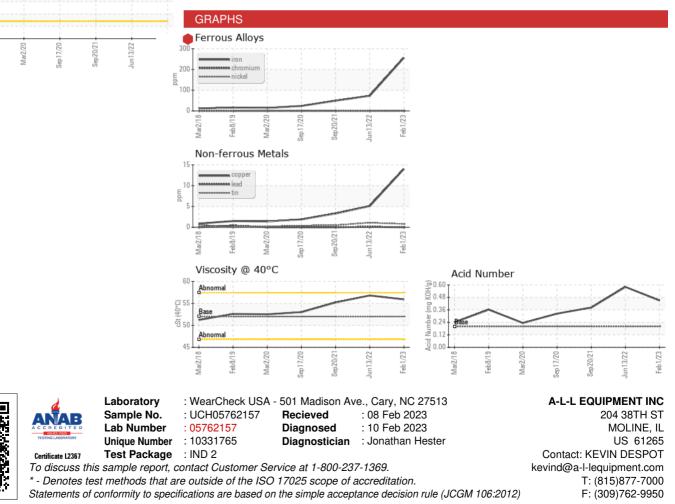




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	MODER	NONE
Sand/Dirt	scalar	*Visual	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
FLUID PROPER1	TIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	52	55.9	56.79	55.2
SAMPLE IMAGES	S	method	limit/base	current	history1	history2
Color						



Bottom



Contact/Location: KEVIN DESPOT - UCALLMOL