



PROBLEM SUMMARY

Sample Rating Trend

WEAR



Area

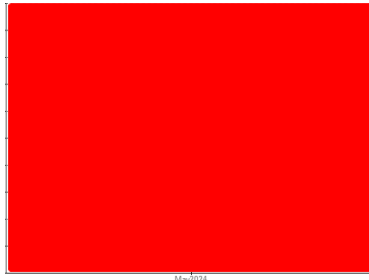
SULLUBE [1120356]

Machine ID

SULLAIR 201409050091 - GREAT PLAINS LUCAS SOUTH

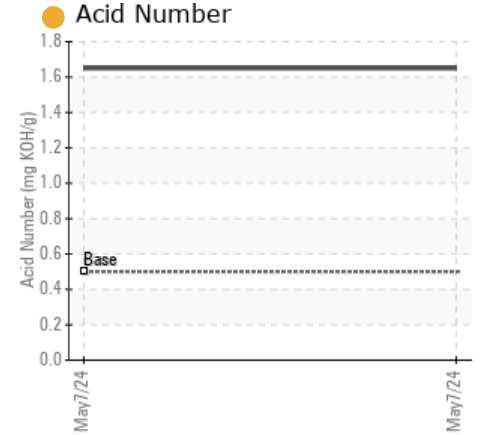
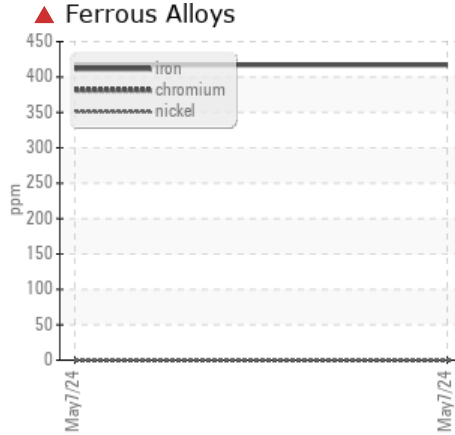
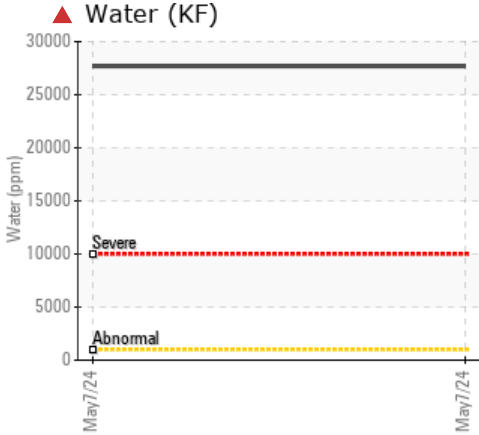
Component

Compressor



May/24

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend that you drain the oil and perform a filter service on this component if not already 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	---	---
Iron	ppm	ASTM D5185m	>50	▲ 417	---	---
Water	%	ASTM D6304	>0.1	▲ 2.77	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ 27700	---	---
Emulsified Water	scalar	*Visual	>0.1	▲ 0.2%	---	---

Customer Id: UCAIRWIC
 Sample No.: UCH06199371
 Lab Number: 06199371
 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
Inspect Wear Source	---	---	?	We advise that you inspect for the source(s) of wear.
Change Fluid	---	---	?	We recommend that you drain the oil and perform a filter service on this component if not already done.
Change Filter	---	---	?	We recommend that you drain the oil and perform a filter service on this component if not already done.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



Area

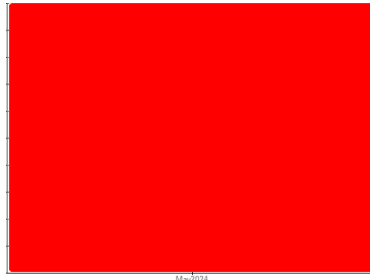
SULLUBE [1120356]

Machine Id

SULLAIR 201409050091 - GREAT PLAINS LUCAS SOUTH

Component

Compressor



May2024

DIAGNOSIS

▲ Recommendation

We recommend that you drain the oil and perform a filter service on this component if not already 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 a high concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil.

● Fluid Condition

The AN level is at the top-end of the recommended limit. 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		UCH06199371	---	---
Sample Date	Client Info		07 May 2024	---	---
Machine Age	hrs	Client Info	31191	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		Not Chngd	---	---
Sample Status			SEVERE	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	▲ 417	---	---
Chromium	ppm	ASTM D5185m >10	0	---	---
Nickel	ppm	ASTM D5185m	<1	---	---
Titanium	ppm	ASTM D5185m	0	---	---
Silver	ppm	ASTM D5185m	0	---	---
Aluminum	ppm	ASTM D5185m >25	1	---	---
Lead	ppm	ASTM D5185m >25	2	---	---
Copper	ppm	ASTM D5185m >50	9	---	---
Tin	ppm	ASTM D5185m >15	2	---	---
Vanadium	ppm	ASTM D5185m	<1	---	---
Cadmium	ppm	ASTM D5185m	<1	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	---	---
Barium	ppm	ASTM D5185m 500	274	---	---
Molybdenum	ppm	ASTM D5185m	0	---	---
Manganese	ppm	ASTM D5185m	2	---	---
Magnesium	ppm	ASTM D5185m	2	---	---
Calcium	ppm	ASTM D5185m	4	---	---
Phosphorus	ppm	ASTM D5185m	7	---	---
Zinc	ppm	ASTM D5185m	23	---	---
Sulfur	ppm	ASTM D5185m 150	315	---	---

CONTAMINANTS

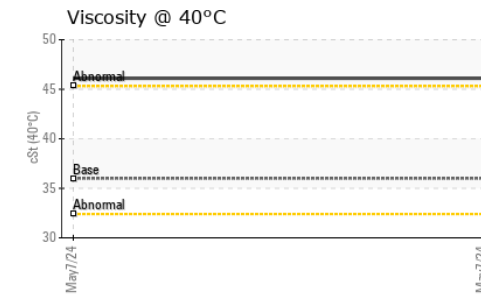
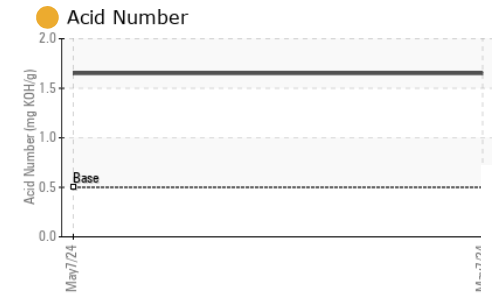
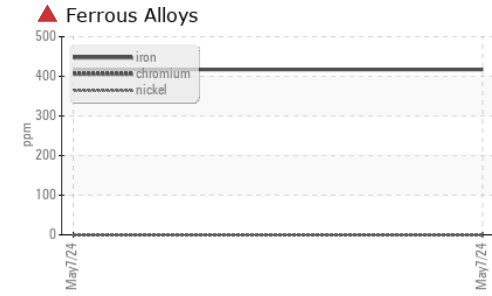
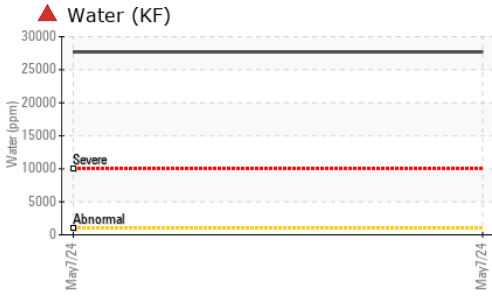
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	2	---	---
Sodium	ppm	ASTM D5185m	52	---	---
Potassium	ppm	ASTM D5185m >20	11	---	---
Water	%	ASTM D6304 >0.1	▲ 2.77	---	---
ppm Water	ppm	ASTM D6304 >1000	▲ 27700	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.5	● 1.65	---	---



OIL ANALYSIS REPORT



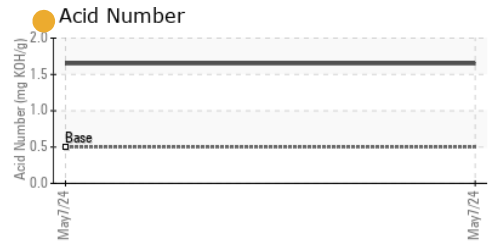
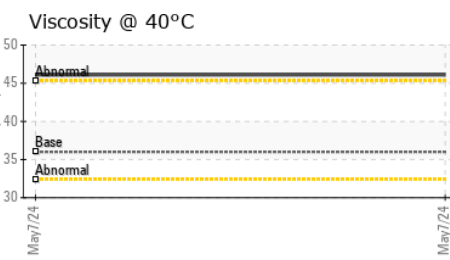
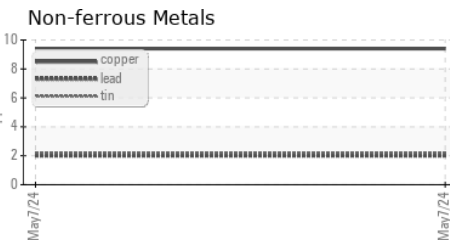
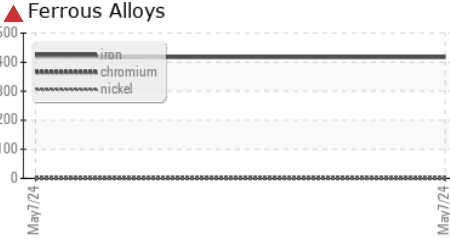
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	MODER	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*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 36	46.1	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image
Bottom				no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH06199371 **Received** : 04 Jun 2024
Lab Number : 06199371 **Tested** : 07 Jun 2024
Unique Number : 11061494 **Diagnosed** : 07 Jun 2024 - Jonathan Hester
Test Package : IND 2 (Additional Tests: KF)

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 WICHITA, KS
 US 67211
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 mstout@aircapeq.com
 T: (316)522-1111
 F:

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)