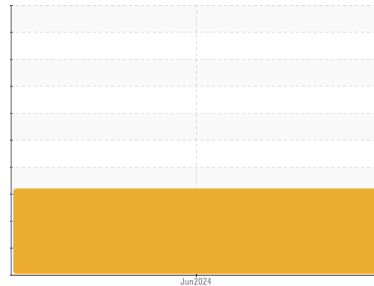




PROBLEM SUMMARY

Area
CITI Ch#4 Comp 1 [GTT224-467 AST72170]
 Machine Id
OTHER 0806U03912(4,1)
 Component
Chiller
 Fluid
REFRIGERATION OIL (POE) (--- GAL)

Sample Rating Trend



COMPONENT CONDITION SUMMARY

No relevant graphs to display


RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. If not recently done change any filter driers to reduce moisture level. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	---	---
ppm Water	ppm	ASTM D6304*	>200	▲ 4468	---	---

Customer Id: GTT0000016
Sample No.: GTT0003560
Lab Number: 02644724
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Bill Quesnel CLS,OMA II,MLA-III,LLA-I +1
 (289)291-4641 x4641
Bill.Quesnel@wearcheck.com

To change component or sample information:
 Gloria Gonzalez +1 (289)291-4643 x4643
gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS

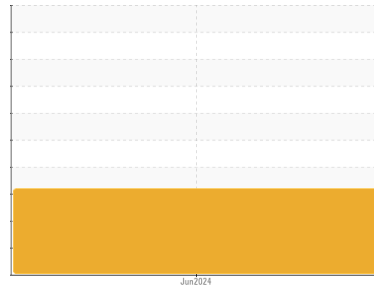
Action	Status	Date	Done By	Description
Change Fluid	---	---	?	We recommend that you drain the oil from the component if this has not already been done.
Resample	---	---	?	We recommend an early resample to monitor this condition.
Information Required	---	---	?	Please specify the brand, type, and viscosity of the oil on your next sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Area

CITI Ch#4 Comp 1 [GTT224-467 AST72170]

Machine Id

OTHER 0806U03912(4,1)

Component

Chiller

Fluid

REFRIGERATION OIL (POE) (--- GAL)

DIAGNOSIS

▲ Recommendation

We recommend that you drain the oil from the component if this has not already been done. If not recently done change any filter driers to reduce moisture level. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

▲ Contamination

There is a high concentration of water present in the oil. The elevated moisture content is associated with POE oils which are hygroscopic, and can absorb moisture from sampling and processing.

Fluid Condition

The AN level is acceptable for this fluid.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		GTT0003560	---	---
Sample Date	Client Info		26 Jun 2024	---	---
Machine Age	hrs	Client Info	0	---	---
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 D5185(m) >8	<1	---	---
Chromium	ppm	ASTM D5185(m) >2	0	---	---
Nickel	ppm	ASTM D5185(m)	<1	---	---
Titanium	ppm	ASTM D5185(m)	0	---	---
Silver	ppm	ASTM D5185(m) >2	0	---	---
Aluminum	ppm	ASTM D5185(m) >3	<1	---	---
Lead	ppm	ASTM D5185(m) >2	0	---	---
Copper	ppm	ASTM D5185(m) >8	<1	---	---
Tin	ppm	ASTM D5185(m) >4	0	---	---
Antimony	ppm	ASTM D5185(m)	0	---	---
Vanadium	ppm	ASTM D5185(m)	0	---	---
Beryllium	ppm	ASTM D5185(m)	0	---	---
Cadmium	ppm	ASTM D5185(m)	0	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 0	<1	---	---
Barium	ppm	ASTM D5185(m) 0	0	---	---
Molybdenum	ppm	ASTM D5185(m) 0	0	---	---
Manganese	ppm	ASTM D5185(m) 0	0	---	---
Magnesium	ppm	ASTM D5185(m) 0	<1	---	---
Calcium	ppm	ASTM D5185(m) 10	2	---	---
Phosphorus	ppm	ASTM D5185(m) 250	17	---	---
Zinc	ppm	ASTM D5185(m) 0	19	---	---
Sulfur	ppm	ASTM D5185(m) 400	39	---	---
Lithium	ppm	ASTM D5185(m)	<1	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >15	5	---	---
Sodium	ppm	ASTM D5185(m)	<1	---	---
Potassium	ppm	ASTM D5185(m) >20	<1	---	---
ppm Water	ppm	ASTM D6304* >200	▲ 4468	---	---

FLUID DEGRADATION



	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974* 0.07	0.09	---	---

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*	>0.020	NEG	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	61.7	---	---

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

GRAPHS



Sample No. : GTT0003560 **Received** : 28 Jun 2024
Lab Number : 02644724 **Tested** : 04 Jul 2024
Unique Number : 5802263 **Diagnosed** : 04 Jul 2024 - Bill Quesnel
Test Package : IND 2 (Additional Tests: KF, TAN Man)
To discuss this sample report, contact Customer Service at 1-905-847-9300 Ext 26.
Test denoted () outside scope of accreditation, (m) method modified, (e) tested at external lab.*
Damages: Seller shall in no event be liable for special, incidental, or consequential damages, of a commercial nature, resulting from any cause.

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