



OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
215 Slater Ch#2 Circ 2 [GTT224-472 402671KL]
 Machine Id
MCQUAY STNU06100103(2,2)
 Component
Chiller
 Fluid
ICI EMKARATE RL 68H (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The water content is negligible. There is no indication of any contamination in the oil.

Fluid Condition

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

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	GTT0003549	---	---
Sample Date	Client Info	02 Jun 2024	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		NORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185(m)	>100	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)	>50	<1	---	---
Lead ppm ASTM D5185(m)	>2	0	---	---
Copper ppm ASTM D5185(m)	>100	<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	---	---
Magnesium ppm ASTM D5185(m)	0	0	---	---
Calcium ppm ASTM D5185(m)	0	0	---	---
Phosphorus ppm ASTM D5185(m)	1900	2	---	---
Zinc ppm ASTM D5185(m)	0	<1	---	---
Sulfur ppm ASTM D5185(m)	25	3	---	---
Lithium ppm ASTM D5185(m)		<1	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185(m)	>50	2	---	---
Sodium ppm ASTM D5185(m)		0	---	---
Potassium ppm ASTM D5185(m)	>20	0	---	---
ppm Water ppm ASTM D6304*	>400	45	---	---

FLUID DEGRADATION

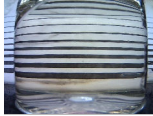

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g ASTM D974*	0.02	0.02	---	---

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	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	72.3	63.7	---

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. : GTT0003549 **Received** : 04 Jul 2024
Lab Number : 02645693 **Tested** : 09 Jul 2024
Unique Number : 5803232 **Diagnosed** : 09 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.

Modern Niagara Building Services
 85 Denzil Doyle Ct
 Kanata, ON
 CA K2M 2G8
 Contact: Service Manager