

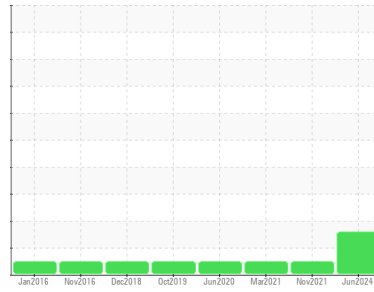


# OIL ANALYSIS REPORT



Area  
**EAP Ch#1 [GTT224-466 863308]**  
 Machine Id  
**YORK SKYM399090**  
 Component  
**Chiller**  
 Fluid  
**YORK TYPE K (--- GAL)**

Sample Rating Trend



WATER



## DIAGNOSIS

### Recommendation

If not recently done change any filter driers to reduce moisture level. We recommend an early resample to monitor this condition.

### Wear

All component wear rates are normal.

### Contamination

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. The condition of the oil is suitable for further service.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>GTT0002712</b>	GTT67340	GTT67341
Sample Date	Client Info	<b>12 Jun 2024</b>	30 Nov 2021	25 Mar 2021
Machine Age	hrs	Client Info	0	---
Oil Age	hrs	Client Info	0	---
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>ATTENTION</b>	NORMAL	NORMAL

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >8	<1	<1
Chromium	ppm	ASTM D5185(m) >2	0	<1
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	<1
Lead	ppm	ASTM D5185(m) >2	0	<1
Copper	ppm	ASTM D5185(m) >8	<1	<1
Tin	ppm	ASTM D5185(m) >4	0	<1
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) 0	0	---
Phosphorus	ppm	ASTM D5185(m) 5	6	---
Zinc	ppm	ASTM D5185(m) 0	<1	<1
Sulfur	ppm	ASTM D5185(m) 10	5	---
Lithium	ppm	ASTM D5185(m)	<1	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >15	1	---
Sodium	ppm	ASTM D5185(m)	<1	---
Potassium	ppm	ASTM D5185(m) >20	<1	---
ppm Water	ppm	ASTM D6304* >300	384	238

## FLUID DEGRADATION

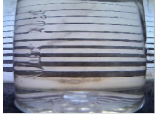

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974* 0.03	0.03	0.014

# OIL ANALYSIS REPORT

VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	<b>VLITE</b>	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	---
Emulsified Water	scalar	Visual*	>0.03	<b>NEG</b>	---
Free Water	scalar	Visual*		<b>NEG</b>	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	32.0	<b>26.4</b>	---

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

## GRAPHS



**Sample No.** : GTT0002712      **Received** : 27 Jun 2024  
**Lab Number** : 02644483      **Tested** : 05 Jul 2024  
**Unique Number** : 5802022      **Diagnosed** : 05 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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