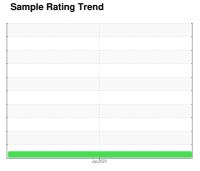


# **OIL ANALYSIS REPORT**



# COMPRESSOR 1/OIL SUMP [1A] YORK York chiller 1A (S/N SMTM-140940)

Component
Centrifugal Compressor
Fluid YORK TYPE K (20 GAL)





### Recommendation

Resample at the next service interval to monitor. ( Customer Sample Comment: Routine maintenance )

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.

L)				Jan2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0758329		
Sample Date		Client Info		23 Jan 2024		
Machine Age	hrs	Client Info		61792		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0		
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	2		
Tin	ppm	ASTM D5185m	>15	1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	0	<1		
Manganese	ppm	ASTM D5185m	0	2		
Magnesium	ppm	ASTM D5185m	0	<1		
Calcium	ppm	ASTM D5185m	0	<1		
Phosphorus	ppm	ASTM D5185m	5	3		
Zinc	ppm	ASTM D5185m	0	0		
Sulfur	ppm	ASTM D5185m	10	0		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	1		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	4		
Water	%	ASTM D6304	>0.03	0.004		
ppm Water	ppm	ASTM D6304	>300	46		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

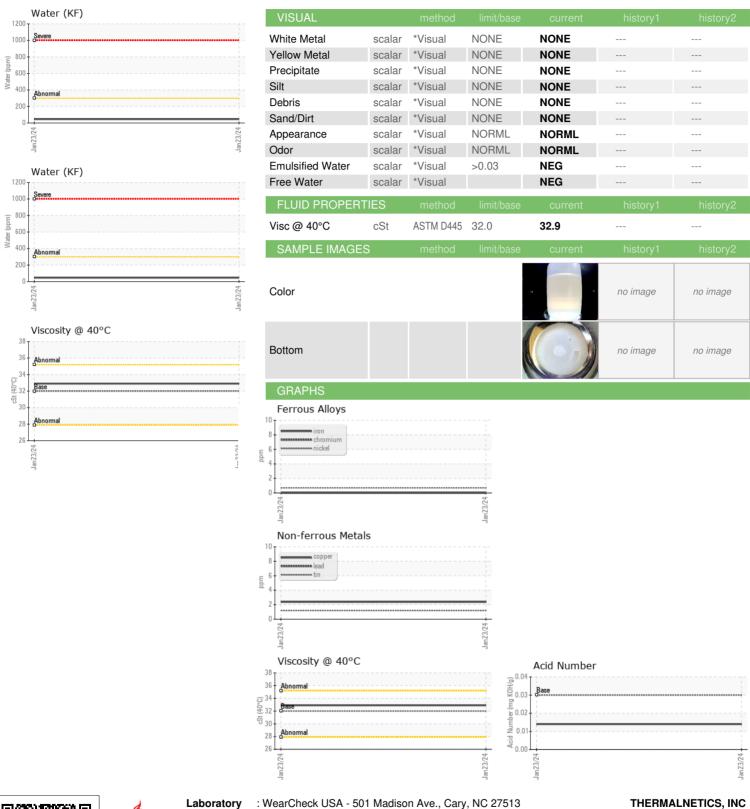
0.014

mg KOH/g ASTM D8045 0.03

Acid Number (AN)



## **OIL ANALYSIS REPORT**







Certificate L2367

Report Id: THEAUB [WUSCAR] 06077740 (Generated: 02/08/2024 12:00:17) Rev: 1

Laboratory Sample No.

Lab Number : 06077740 Unique Number: 10859831 Test Package : PLANT

: WC0758329 Received **Tested** 

Diagnosed

: 01 Feb 2024

: 08 Feb 2024 : 08 Feb 2024 - Jonathan Hester

THERMALNETICS, INC 3955 PINNACLE COURT SUITE 200

AUBURN HILLS, MI US 48326

Contact: SHELLY MANN ShellyM@thermalnetics.com

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)

Submitted By: SHELLY MANN

T:

F: