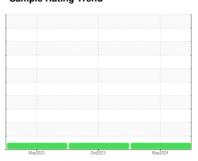


# **OIL ANALYSIS REPORT**

Sample Rating Trend



NORMAL



Machine Id UC-9817-0102-5 Chiller #2

Chiller

YORK TYPE K (--- GAL)

## Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

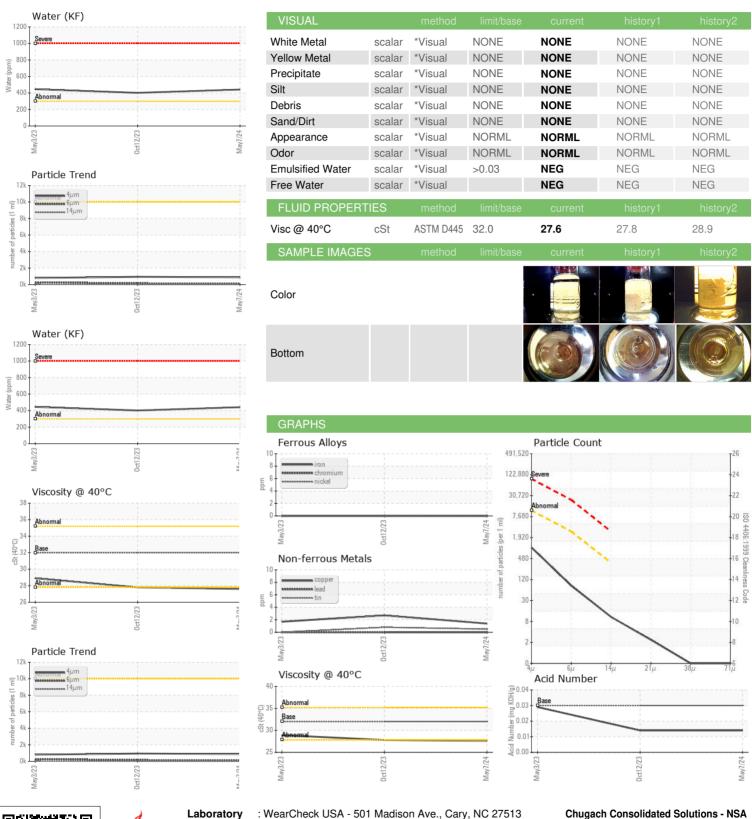
## **Fluid Condition**

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

		Ma	y2023	Oct2023 May20	124	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
	17.111011		IIIIIIIIIII		•	•
Sample Number Sample Date		Client Info		WC0827441 07 May 2024	WC0836518 12 Oct 2023	WC0784753 03 May 2023
Machine Age	hrs	Client Info		115148	0	112578
Oil Age	hrs	Client Info		0	0	0
Oil Changed	1113	Client Info		N/A	N/A	N/A
Sample Status		Ollerit IIIIO		NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	0	0	0
Chromium	ppm	ASTM D5185m	>2	0	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>3	0	0	6
Lead	ppm	ASTM D5185m	>2	0	0	0
Copper	ppm	ASTM D5185m	>8	1	3	2
Tin	ppm	ASTM D5185m	>4	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	0	<1	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m	0	0	<1	0
Magnesium	ppm	ASTM D5185m	0	<1	0	2
Calcium	ppm	ASTM D5185m	0	<1	1	0
Phosphorus	ppm	ASTM D5185m	5	0	<1	1
Zinc	ppm	ASTM D5185m	0	8	0	0
Sulfur	ppm	ASTM D5185m	10	2	6	0
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	14	16	13
Sodium	ppm	ASTM D5185m		<1	<1	0
Potassium	ppm	ASTM D5185m	>20	<1	0	<1
Water	%	ASTM D6304	>0.03	0.044	0.040	0.044
ppm Water	ppm	ASTM D6304	>300	441	401.7	445.3
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	878	941	804
Particles >6µm		ASTM D7647	>2500	71	150	279
Particles >14μm		ASTM D7647	>320	9	11	37
Particles >21µm		ASTM D7647	>80	2	3	8
Particles >38μm		ASTM D7647	>20	0	1	0
Particles >71μm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	17/13/10	17/14/11	17/15/12
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.03	0.014	0.014	0.029



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No. Lab Number : 06175566 Unique Number : 11021619

: WC0827441 Test Package : PLANT

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 10 May 2024 **Tested** : 13 May 2024

Diagnosed : 13 May 2024 - Doug Bogart

To discuss this sample report, contact Customer Service at 1-800-237-1369.

US 20701 Contact: Susan Nord susan.nord@chugachgov.com T: (301)688-6363

10840 Guilford Road, Suites 406-407

Annapolis Junction, MD

\* - 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)

F: (443)479-5666