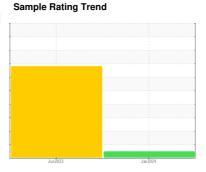


# **OIL ANALYSIS REPORT**

# [] WC-8906-0202-5 Chiller #2

Component Chiller

YORK TYPE H (20 GAL)





### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is a trace of moisture present 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.

			Jun2023	Jan 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0836551	WC0784749	
Sample Date		Client Info		09 Jan 2024	25 Jun 2023	
Machine Age	hrs	Client Info		83187	80789	
Oil Age	hrs	Client Info		0	0	
Oil Changed	1113	Client Info		N/A	N/A	
Sample Status		Ollerit IIIIO		NORMAL	SEVERE	
				HOTHMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	3	0	
Chromium	ppm	ASTM D5185m	>2	<1	0	
Nickel	ppm	ASTM D5185m		0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>3	2	0	
Lead	ppm	ASTM D5185m	>2	0	<1	
Copper	ppm	ASTM D5185m	>8	<1	<b>315</b>	
Tin	ppm	ASTM D5185m	>4	0	<1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m	0	0	<1	
Magnesium	ppm	ASTM D5185m	0	0	<1	
Calcium	ppm	ASTM D5185m	0	0	56	
Phosphorus	ppm	ASTM D5185m	0	33	319	
Zinc	ppm	ASTM D5185m	0	0	220	
Sulfur	ppm	ASTM D5185m	0	0	1092	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	21	3	
Sodium	ppm	ASTM D5185m		2	<1	
Potassium	ppm	ASTM D5185m	>20	0	0	
Water	%	ASTM D6304	>0.030	0.024	0.001	
ppm Water	ppm	ASTM D6304	>300	249	13.0	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	360	▲ 10967	
Particles >6µm		ASTM D7647	>2500	67	2102	
Particles >14µm		ASTM D7647	>320	5	43	
Particles >21µm		ASTM D7647	>80	0	2	
Particles >38µm		ASTM D7647	>20	0	0	
Particles >71µm		ASTM D7647	>4	0	0	
Oil Cleanliness		ISO 4406 (c)	>20/18/15	16/13/10	<b>1</b> 21/18/13	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Λ = : al NI,ala = (ΛΝΙ)	I/OII/-	ACTM DODAE	0.00	0.014	0.047	

Acid Number (AN)

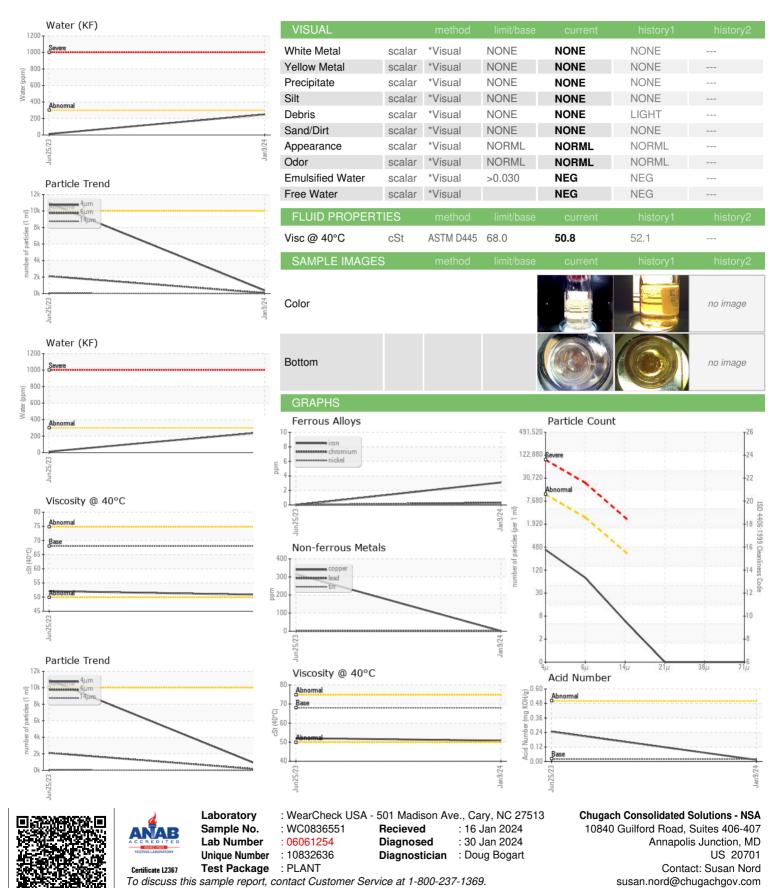
0.247

0.014

mg KOH/g ASTM D8045 0.02



## **OIL ANALYSIS REPORT**



\* - 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)

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