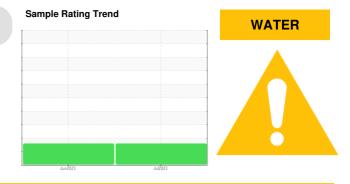


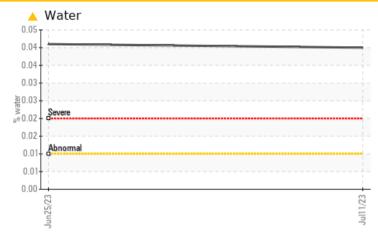
PROBLEM SUMMARY



Machine Id WC-8906-0201-5 Chiller #1 Component Chiller

Fluid YORK TYPE H (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS									
Sample Status				MARGINAL	MARGINAL				
Water	%	ASTM D6304	>0.01	0.040	▲ 0.041				
ppm Water	ppm	ASTM D6304	>100	404.4	410.6				

Customer Id: CHUANN Sample No.: WC0827382 Lab Number: 05899350 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data: Angela Borella +1 800-237-1369 angela.borella@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 <u>customerservice@wearcheck.com</u>

RECOMMENDED AC	RECOMMENDED ACTIONS					
Action	Status	Date	Done By	Description		
Resample			?	We recommend an early resample to monitor this condition.		

HISTORICAL DIAGNOSIS

25 Jun 2023 Diag: Jonathan Hester



No corrective action is recommended at this time. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a light concentration of water present in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Sample Rating Trend

WATER

Machine Id WC-8906-0201-5 Chiller #1

Chiller Fluid

YORK TYPE H (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is a light concentration of water present in the oil. The amount and size of particulates present in the system are acceptable.

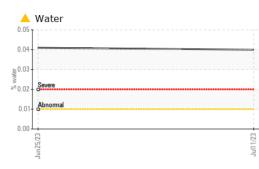
Fluid Condition

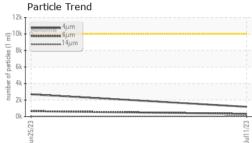
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

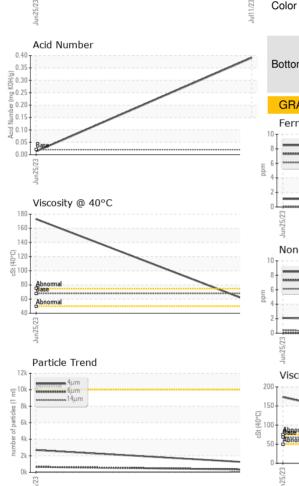
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0827382	WC0784750	
Sample Date		Client Info		11 Jul 2023	25 Jun 2023	
Machine Age	hrs	Client Info		81142	80788	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				MARGINAL	MARGINAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	1	1	
Chromium	ppm	ASTM D5185m		0	0	
Nickel	ppm	ASTM D5185m		0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum		ASTM D5185m		۰ <1	0	
Lead	ppm	ASTM D5185m	>2	0	0	
	ppm			2	2	
Copper Tin	ppm	ASTM D5185m		2		
	ppm	ASTM D5185m	>4	-	<1	
Vanadium Cadmium	ppm ppm	ASTM D5185m ASTM D5185m		<1 0	0	
ADDITIVES	ppm	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m	0	1	0	
Calcium	ppm			0	0	
Phosphorus	ppm	ASTM D5185m	0	11	4	
Zinc	ppm	ASTM D5185m	0	0	0	
Sulfur	ppm	ASTM D5185m	0	21	18	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	12	11	
Sodium	ppm	ASTM D5185m		0	0	
Potassium	ppm	ASTM D5185m	>20	0	0	
Water	%	ASTM D6304		<u> </u>	0.041	
ppm Water	ppm	ASTM D6304	>100	404.4	4 10.6	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	1183	2695	
Particles >6µm		ASTM D7647	>2500	333	658	
Particles >14µm		ASTM D7647	>320	36	29	
Particles >21µm		ASTM D7647	>80	11	5	
Particles >38µm		ASTM D7647	>20	0	0	
Particles >71µm		ASTM D7647	>4	0	0	
Oil Cleanliness		ISO 4406 (c)	>20/18/15	17/16/12	19/17/12	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.02	0.391	0.013	

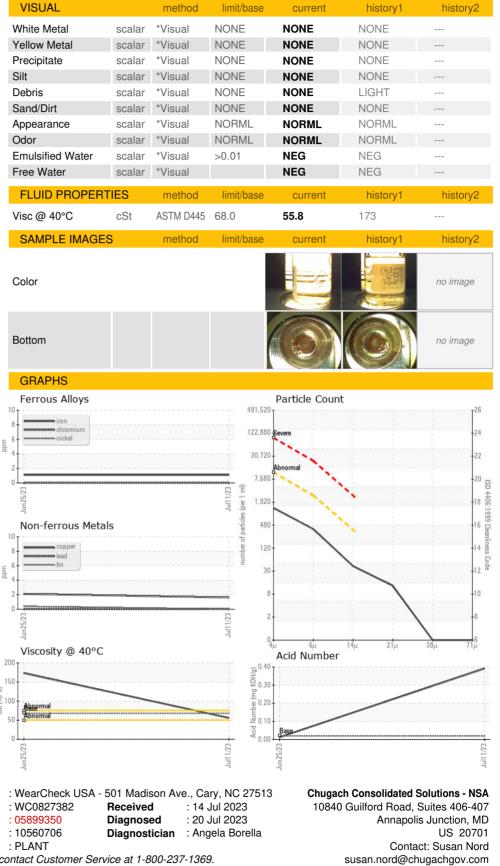


OIL ANALYSIS REPORT









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)

Certificate L2367

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Laboratory

Sample No.

Lab Number

Unique Number

Test Package

T: (301)688-6363

F: (443)479-5666