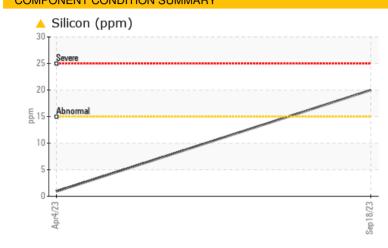


COMPONENT CONDITION SUMMARY

YORK TYPE K (--- GAL)

Fluic



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS										
Sample Status			ABNORMAL	NORMAL						
Silicon	ppm	ASTM D5185m	>15	<u> </u>	<1					

Customer Id: CHUANN Sample No.: WC0836529 Lab Number: 05959137 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

04 Apr 2023 Diag: Jonathan Hester



04 Apr 2023 Diag. Jonathan neste



Resample at the next service interval to monitor. We were unable to perform a particle count due to insufficient sample.All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Sample Rating Trend

DIRT

Machine Id Component WC-9840-0104-5 Chiller #4

Chiller Fluid YORK TYPE K (--- GAL)

DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

Contamination

Elemental level of silicon (Si) above normal indicating ingress of seal material. 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 INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		WC0836529	WC0784756	
Sample Date		Client Info		18 Sep 2023	04 Apr 2023	
Machine Age	hrs	Client Info		28027	26292	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				ABNORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	<1	0	
Chromium	ppm	ASTM D5185m	>2	0	0	
Nickel	ppm	ASTM D5185m	~ _	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver		ASTM D5185m	>2	0	0	
	ppm			0		
Aluminum	ppm	ASTM D5185m	>3	-	0	
Lead	ppm	ASTM D5185m	>2	0	0	
Copper	ppm	ASTM D5185m	>8	0	0	
Tin	ppm	ASTM D5185m	>4	0	0	
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	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m		0	0	
Calcium	ppm	ASTM D5185m		0	<1	
Phosphorus	ppm	ASTM D5185m		2	11	
Zinc	ppm	ASTM D5185m		0	0	
Sulfur	ppm	ASTM D5185m		0	0	
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	2 0	<1	
Sodium	ppm	ASTM D5185m		0	<1	
Potassium	ppm	ASTM D5185m	>20	0	0	
Water	%	ASTM D6304	>0.01	0.057	0.060	
ppm Water	ppm	ASTM D6304	>100	574.7	609.8	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	433		
Particles >6µm		ASTM D7647	>2500	79		
Particles >14µm		ASTM D7647	>320	14		
Particles >21µm		ASTM D7647	>80	4		
Particles >38µm		ASTM D7647	>20	0		
Particles >71µm		ASTM D7647	>4	0		
Oil Cleanliness		ISO 4406 (c)	>20/18/15	0 16/13/11		
FLUID DEGRADA		method	limit/base	current	history1	history2
			-mm/base			
Acid Number (AN)	mg KOH/g	ASTM D8045		0.014		

Contact/Location: Susan Nord - CHUANN Page 3 of 4



Particle Trend

12

61

01

700

600

500

Mater (ppn 300 Nater (ppn)

34

() 32

· 30

28

2

200 - Seve

100 - Abnormal

Viscosity @ 40°C

nr4/73

Water (KF)

Darticles (1 ml)

OIL ANALYSIS REPORT

method

limit/base

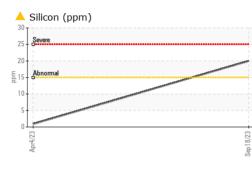
current

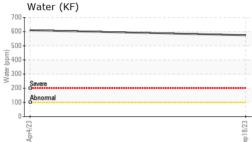
history1

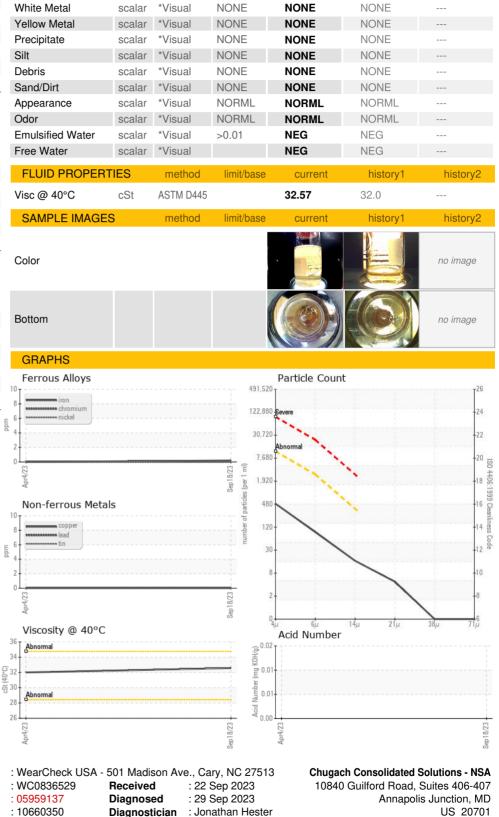
history2

VISUAL

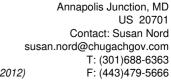
Sep18/23 -







: PLANT



Certificate L2367

Laboratory

Sample No.

Lab Number

Unique Number

Test Package

Contact/Location: Susan Nord - CHUANN