

OIL ANALYSIS REPORT



Machine Id WC-9250-0102-5 Chiller #2 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

There is a trace of moisture present in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

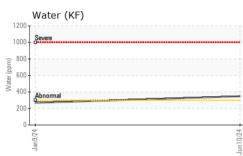
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

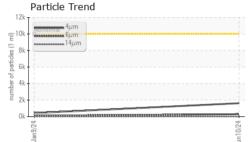
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0827403	WC0836565	
Sample Date		Client Info		10 Jun 2024	09 Jan 2024	
Machine Age	hrs	Client Info		11078	9837	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	<1	1	
Chromium	ppm	ASTM D5185m	>2	0	<1	
Nickel	ppm	ASTM D5185m		0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>3	0	2	
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	0	
Barium	ppm	ASTM D5185m	0	0	0	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m	0	0	0	
Magnesium	ppm	ASTM D5185m	0	0	0	
Calcium	ppm	ASTM D5185m	0	0	0	
Phosphorus	ppm	ASTM D5185m	5	0	33	
Zinc	ppm	ASTM D5185m	0	0	0	
Sulfur	ppm	ASTM D5185m	10	0	0	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	4	10	
Sodium	ppm	ASTM D5185m		1	3	
Potassium	ppm	ASTM D5185m	>20	1	2	
Water	%	ASTM D6304	>0.03	0.034	0.026	
ppm Water	ppm	ASTM D6304	>300	348	269	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	1615	426	
Particles >6µm		ASTM D7647	>2500	285	90	
Particles >14µm		ASTM D7647	>320	4	6	
Particles >21µm		ASTM D7647	>80	1	2	
Particles >38µm		ASTM D7647	>20	0	1	
Particles >71µm		ASTM D7647	>4	0	1	
Oil Cleanliness		ISO 4406 (c)	>20/18/15	18/15/9	16/14/10	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.03	0.099	0.068	

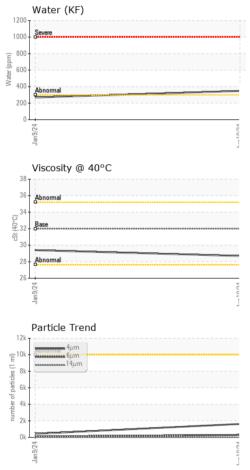
Contact/Location: Susan Nord - CHUANN Page 1 of 2

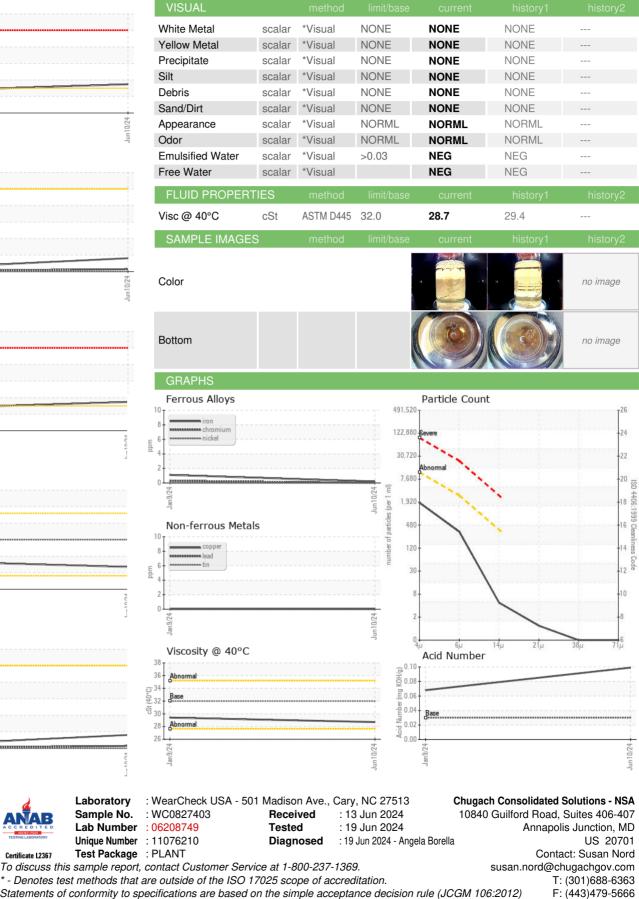


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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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Certificate 12367

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