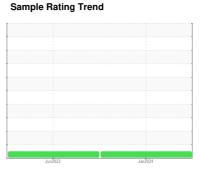


OIL ANALYSIS REPORT

[] WC-9800-0104-5 Chiller #4

Component Chiller

YORK TYPE K (--- 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.

			Jun 2023	Jan 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0836508	WC0827397	
Sample Date		Client Info		09 Jan 2024	25 Jun 2023	
Machine Age	hrs	Client Info		32493	30557	
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	0	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	0	
Copper	ppm	ASTM D5185m	>8	<1	0	
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	0	
Calcium	ppm	ASTM D5185m	0	0	0	
Phosphorus	ppm	ASTM D5185m	5	32	<1	
Zinc	ppm	ASTM D5185m	0	0	0	
Sulfur	ppm	ASTM D5185m	10	0	5	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	7	4	
Sodium	ppm	ASTM D5185m		2	0	
Potassium	ppm	ASTM D5185m	>20	0	0	
Water	%	ASTM D6304	>0.03	0.025	0.073	
ppm Water	ppm	ASTM D6304	>300	255	732.9	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>10000	414	1008	
Particles >6µm		ASTM D7647	>2500	81	185	
Particles >14µm		ASTM D7647	>320	9	9	
Particles >21µm		ASTM D7647		4	2	
Particles >38μm		ASTM D7647	>20	0	0	
Particles >71μm		ASTM D7647	>4	0	0	
Oil Cleanliness		ISO 4406 (c)	>20/18/15	16/14/10	17/15/10	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	ma 1/011/a	ACTM DOOME	0.00	0.014	0.010	

Acid Number (AN)

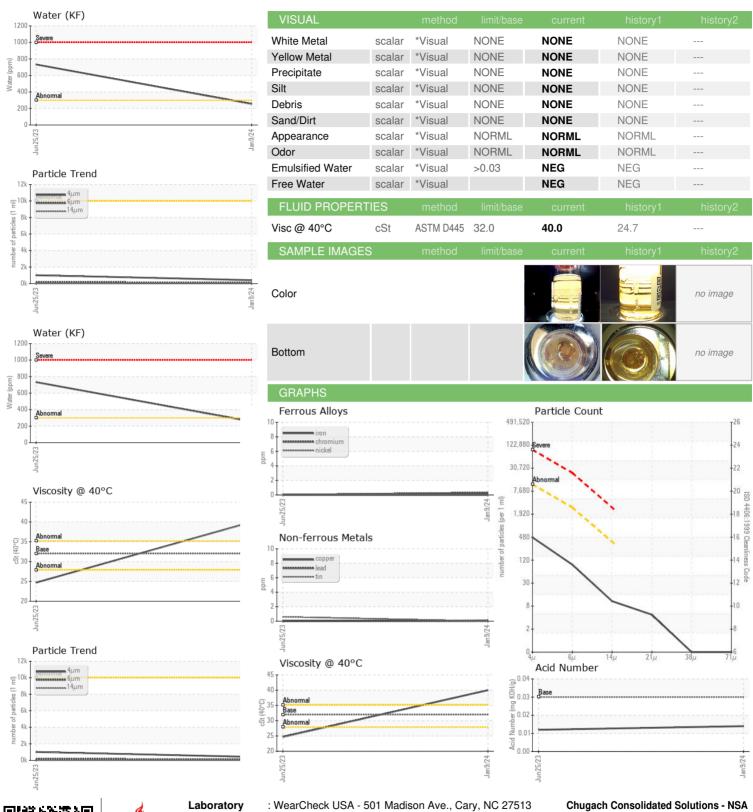
mg KOH/g ASTM D8045 0.03

0.012

0.014



OIL ANALYSIS REPORT







Certificate L2367

Sample No. Lab Number **Unique Number**

: WC0836508 : 06061246

: 10832628 : PLANT

: 16 Jan 2024 Recieved

Diagnosed : 30 Jan 2024 Diagnostician : Doug Bogart

Test Package 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)

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