

OIL ANALYSIS REPORT

TER



[] WC-9250-0104-5 Chiller #4

Component Chiller

YORK TYPE K (--- GAL)

Recommendation

DIAGNOSIS

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

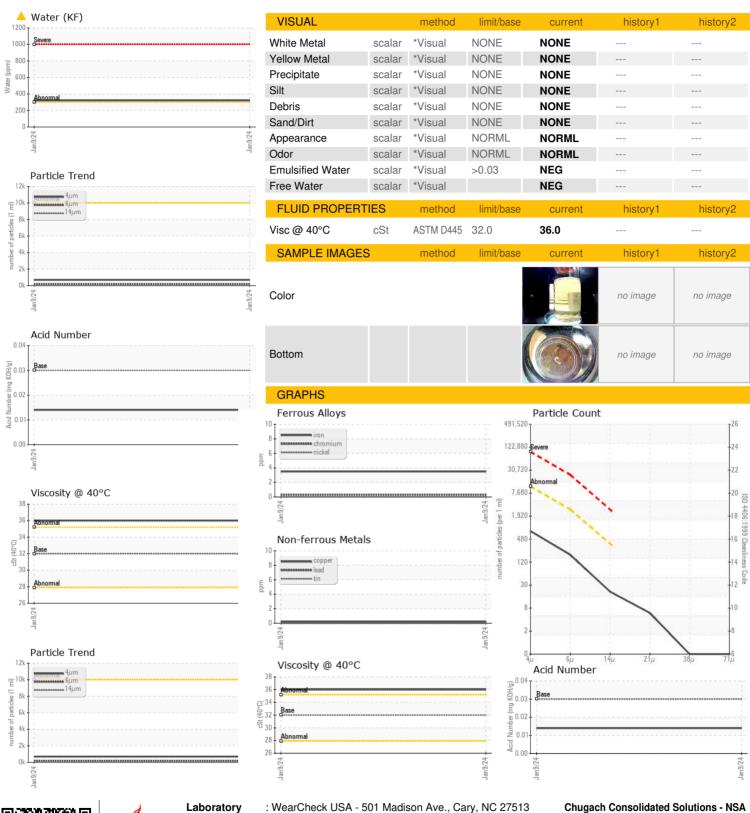
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

-	Samp	ole Rating Trend	, WA	١٦
N	method	Janžoj	history1	
	Oli a sat Justa			

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0836567		
Sample Date		Client Info		09 Jan 2024		
Machine Age	hrs	Client Info		9613		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				MARGINAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	4		
Chromium	ppm	ASTM D5185m	>2	<1		
Nickel	ppm	ASTM D5185m		0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>3	2		
Lead	ppm	ASTM D5185m	>2	0		
Copper	ppm	ASTM D5185m	>8	<1		
Tin	ppm	ASTM D5185m	>4	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES	le le	method	limit/base		history1	history?
				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	0		
Phosphorus	ppm	ASTM D5185m	5	33		
Zinc	ppm	ASTM D5185m	0	0		
Sulfur	ppm	ASTM D5185m	10	0		
CONTAMINANTS	}	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	13		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	<1		
Water	%	ASTM D6304		△ 0.032		
ppm Water	ppm	ASTM D6304	>300	▲ 321		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	683		
Particles >6µm		ASTM D7647	>2500	164		
Particles >14µm		ASTM D7647	>320	18		
Particles >21µm		ASTM D7647	>80	5		
Particles >38µm		ASTM D7647	>20	0		
Particles >71µm		ASTM D7647	>4	0		
Oil Cleanliness		ISO 4406 (c)	>20/18/15	17/15/11		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.03	0.014		



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** Test Package

: WC0836567 : 06061250 : 10832632 : PLANT

: 16 Jan 2024 Recieved Diagnosed

: 30 Jan 2024 Diagnostician : Doug Bogart

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)

Chugach Consolidated Solutions - NSA

10840 Guilford Road, Suites 406-407 Annapolis Junction, MD

US 20701

Contact: Susan Nord susan.nord@chugachgov.com

T: (301)688-6363

F: (443)479-5666