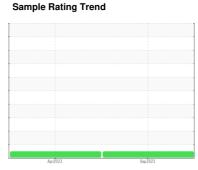


OIL ANALYSIS REPORT

[] WC-9840-0101-5 Chiller #1

Component Chiller

YORK TYPE K (--- GAL)





Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

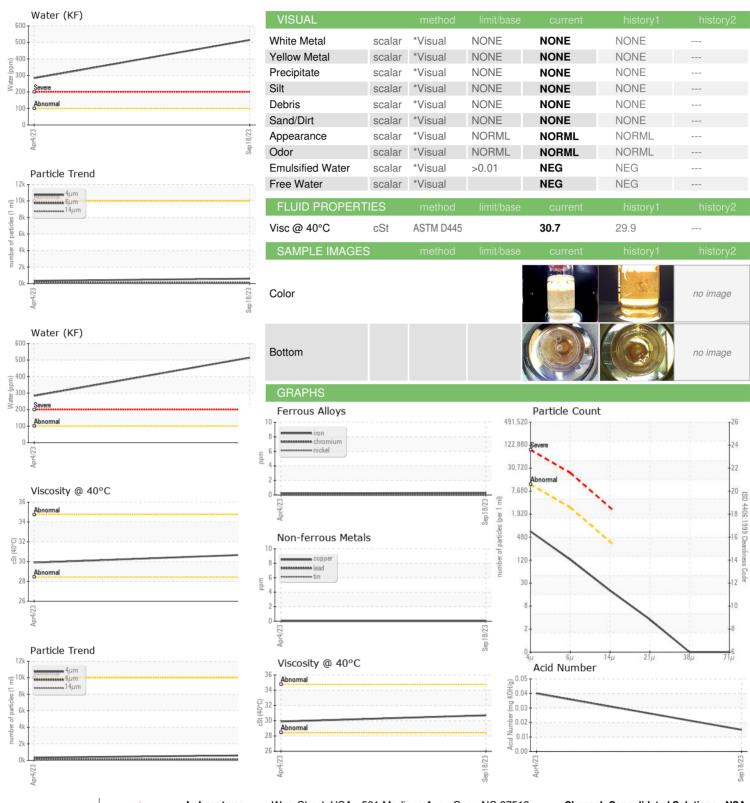
Fluid Condition

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

			Apr2023	Sep2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0836521	WC0784758	
Sample Date		Client Info		18 Sep 2023	04 Apr 2023	
Machine Age	hrs	Client Info		28276	26556	
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	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	0	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	<1	
Calcium	ppm	ASTM D5185m		0	0	
Phosphorus	ppm	ASTM D5185m		1	9	
Zinc	ppm	ASTM D5185m		0	0	
Sulfur	ppm	ASTM D5185m		0	6	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	6	6	
Sodium	ppm	ASTM D5185m		0	<1	
Potassium	ppm	ASTM D5185m		<1	0	
Water	%	ASTM D6304	>0.01	0.051	0.028	
ppm Water	ppm	ASTM D6304	>100	514.7	283.4	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	595	342	
Particles >6µm		ASTM D7647	>2500	109	121	
Particles >14µm		ASTM D7647	>320	17	37	
Particles >21µm		ASTM D7647	>80	3	15	
Particles >38µm		ASTM D7647	>20	0	3	
Particles >71µm		ASTM D7647	>4	0	1	
Oil Cleanliness		ISO 4406 (c)	>20/18/15	16/14/11	16/14/12	
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.015	0.04	



OIL ANALYSIS REPORT







Certificate L2367

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

: WC0836521 : 05959140 : 10660353 Test Package : PLANT

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 22 Sep 2023 Received Diagnosed : 26 Sep 2023 Diagnostician

: Jonathan Hester

Chugach Consolidated Solutions - NSA 10840 Guilford Road, Suites 406-407 Annapolis Junction, MD US 20701

Contact: Susan Nord

F: (443)479-5666

susan.nord@chugachgov.com T: (301)688-6363

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)