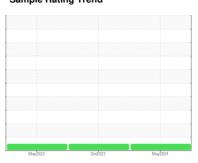


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id WC-9960-0101-5 Chiller #1 Chiller

YORK TYPE K (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

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.

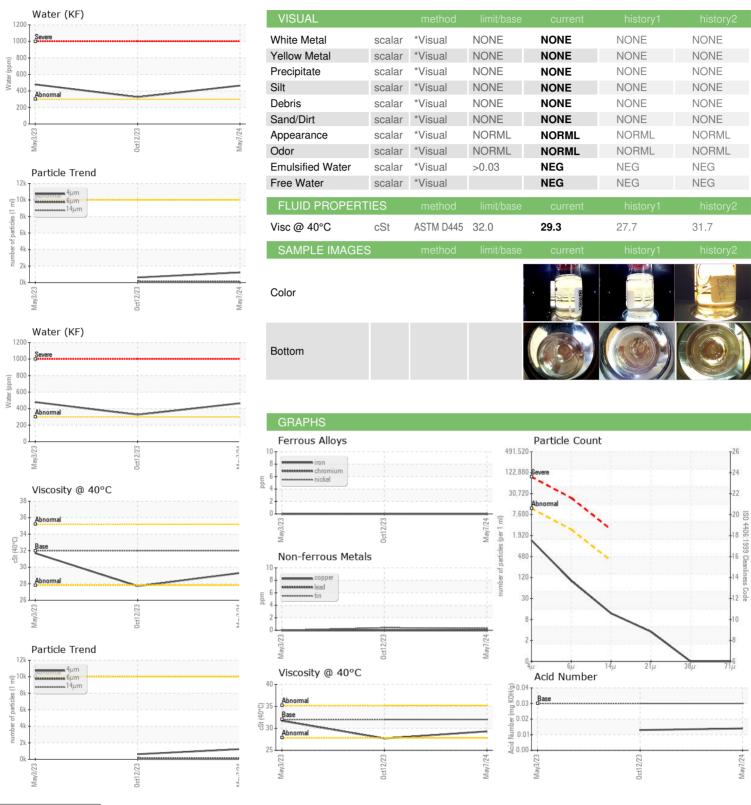
Fluid Condition

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

		Ma	y2023	Oct2023 May20	124	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0836580	WC0836510	WC0784784
Sample Date		Client Info		07 May 2024	12 Oct 2023	03 May 2023
Machine Age	hrs	Client Info		52417	0	48241
Oil Age	hrs	Client Info		0	0	0
Oil Changed	1113	Client Info		N/A	N/A	N/A
Sample Status		Oliciti IIIIo		NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>8	0	0	0
Chromium	ppm	ASTM D5185m	>2	0	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>3	0	0	6
Lead	ppm	ASTM D5185m	>2	0	0	0
Copper	ppm	ASTM D5185m	>8	0	0	0
Tin	ppm	ASTM D5185m	>4	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	0	<1	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m	0	0	<1	0
Magnesium	ppm	ASTM D5185m	0	<1	0	2
Calcium	ppm	ASTM D5185m	0	0	1	0
Phosphorus	ppm	ASTM D5185m	5	0	<1	<1
Zinc	ppm	ASTM D5185m	0	7	0	0
Sulfur	ppm	ASTM D5185m	10	0	6	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	6	8	7
Sodium	ppm	ASTM D5185m		<1	<1	0
Potassium	ppm	ASTM D5185m	>20	0	0	2
Water	%	ASTM D6304	>0.03	0.046	0.032	0.047
ppm Water	ppm	ASTM D6304	>300	465	325.8	479.2
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	1227	615	
Particles >6μm		ASTM D7647	>2500	86	143	
Particles >14μm		ASTM D7647	>320	10	16	
Particles >21μm		ASTM D7647		3	6	
Particles >38μm		ASTM D7647	>20	0	0	
Particles >71μm		ASTM D7647	>4	0	0	
Oil Cleanliness		ISO 4406 (c)	>20/18/15	17/14/10	16/14/11	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.03	0.014	0.013	



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number

: WC0836580 : 06175564 Unique Number : 11021617 Test Package : PLANT

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested**

: 10 May 2024 : 13 May 2024 Diagnosed

: 13 May 2024 - Doug Bogart

US 20701 Contact: Susan Nord susan.nord@chugachgov.com

Annapolis Junction, MD

To discuss this sample report, contact Customer Service at 1-800-237-1369. T: (301)688-6363 st - 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) F: (443)479-5666

Chugach Consolidated Solutions - NSA

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