

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id WC-9960-0106-5 Chiller #6

Chiller

YORK TYPE K (--- GAL)

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 Jun20	124	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
	MATION		IIIIII/Dase	current	•	•
Sample Number		Client Info		WC0827427	WC0836514	WC0784789
Sample Date Machine Age	bro			10 Jun 2024	12 Oct 2023	03 May 2023
	hrs hrs	Client Info		52948 0	0	48915 0
Oil Age Oil Changed	1115	Client Info		N/A	N/A	N/A
Sample Status		Ciletit iiilo		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	<1
Tin	ppm	ASTM D5185m	>4	0	<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	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m	0	0	<1	0
Magnesium	ppm	ASTM D5185m	0	0	0	2
Calcium	ppm	ASTM D5185m	0	0	1	0
Phosphorus	ppm	ASTM D5185m	5	0	<1	0
Zinc	ppm	ASTM D5185m	0	0	0	0
Sulfur	ppm	ASTM D5185m	10	0	16	1138
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	8	9	7
Sodium	ppm	ASTM D5185m		<1	<1	0
Potassium	ppm	ASTM D5185m	>20	0	0	<1
Water	%	ASTM D6304	>0.03	0.032	0.037	0.045
ppm Water	ppm	ASTM D6304	>300	323	378.5	452.5
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	849	912	
Particles >6µm		ASTM D7647	>2500	137	194	
Particles >14μm		ASTM D7647	>320	4	21	
Particles >21μm		ASTM D7647	>80	1	6	
Particles >38μm		ASTM D7647	>20	0	0	
Particles >71μm		ASTM D7647	>4	0	0	
Oil Cleanliness		ISO 4406 (c)	>20/18/15	17/14/9	17/15/12	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.03	0.014	0.015	0.044



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number

: WC0827427 : 06208740 Unique Number : 11076201 Test Package : PLANT

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 13 Jun 2024 **Tested**

: 19 Jun 2024 Diagnosed : 19 Jun 2024 - Angela Borella

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

Contact: Susan Nord susan.nord@chugachgov.com

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