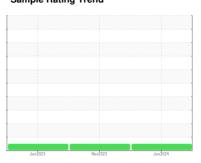


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id WC-9220-0103-5 Chiller #3 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.

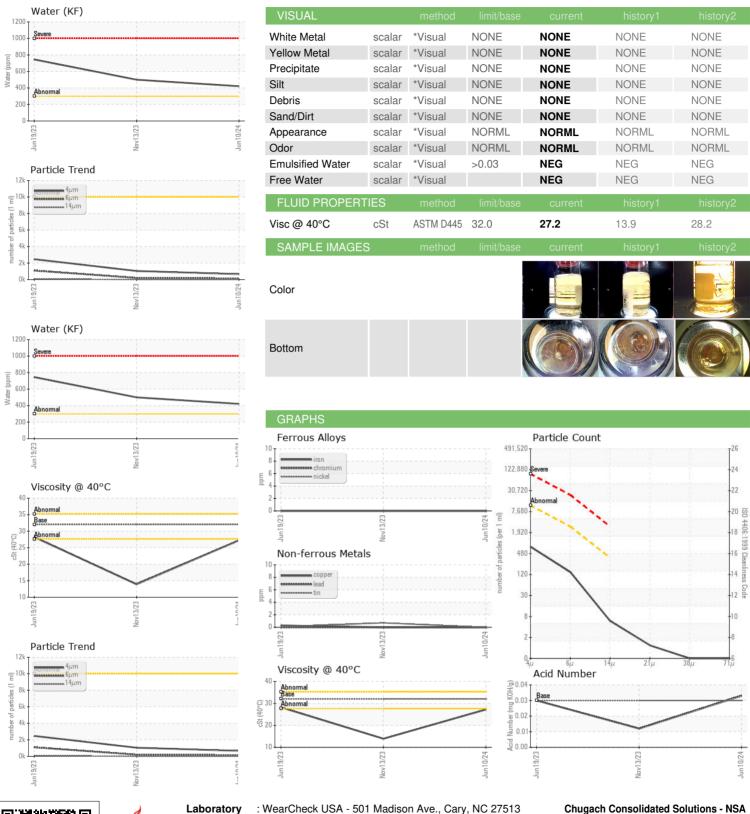
Fluid Condition

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

		Jur	2023	Nov2023 Jun20	124	
CAMPLE INCOR	AATION		12 24 //		111	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0827401	WC0836497	WC0784801
Sample Date		Client Info		10 Jun 2024	13 Nov 2023	19 Jun 2023
Machine Age	hrs	Client Info		20385	18710	17407
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				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	0
Lead	ppm	ASTM D5185m	>2	0	0	0
Copper	ppm	ASTM D5185m	>8	0	0	<1
Tin	ppm	ASTM D5185m	>4	0	<1	<1
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	<1
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m	0	0	0	0
Magnesium	ppm	ASTM D5185m	0	0	0	0
Calcium	ppm	ASTM D5185m	0	0	0	0
Phosphorus	ppm	ASTM D5185m	5	0	1	0
Zinc	ppm	ASTM D5185m	0	0	0	0
Sulfur	ppm	ASTM D5185m	10	0	14	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	6	7	8
Sodium	ppm	ASTM D5185m		<1	0	0
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D6304	>0.03	0.042	0.049	0.074
ppm Water	ppm	ASTM D6304	>300	421	499.9	744.7
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	659	1039	2470
Particles >6µm		ASTM D7647	>2500	125	195	1091
Particles >14µm		ASTM D7647	>320	5	10	68
Particles >21µm		ASTM D7647	>80	1	3	12
Particles >38μm		ASTM D7647	>20	0	1	0
Particles >71μm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	17/14/10	17/15/10	18/17/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.03	0.033	0.012	0.03



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number Unique Number : 11076207

: WC0827401 : 06208746 Test Package : PLANT

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Received : 13 Jun 2024 **Tested** Diagnosed

: 19 Jun 2024 : 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 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