

COOLANT REPORT

Sample Rating Trend

ISO



WEG RETURN

Component

Coolant

NOT GIVEN (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Corrosion

All component wear rates are normal.

Contaminants

There is a moderate amount of particulates present in the coolant.

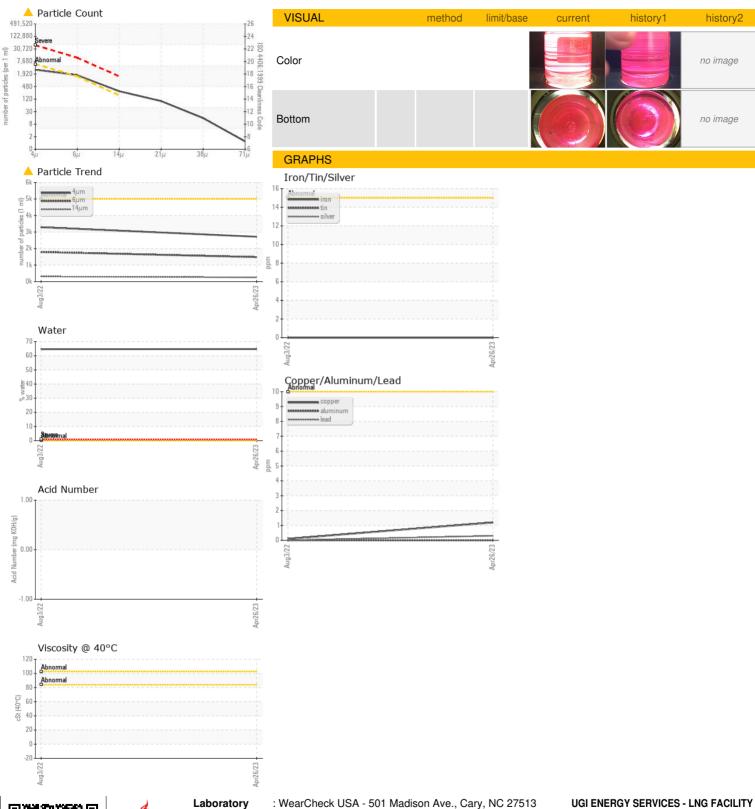
Coolant Condition

The glycol level is acceptable. The pH level of this fluid is within the acceptable limits at 9.4.

SAMPLE INFORMATION method limit/base current history1 history2 Sample Number Client Info WC0711802 WC0711799 Sample Date Client Info 26 Apr 2023 03 Aug 2022 Machine Age hrs Client Info 0 0 Oil Age hrs Client Info 0 0 Oil Changed Client Info N/A N/A Sample Status ATTENTION ATTENTION CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 3 5 Phosphorus ppm ASTM D6130 19 5 Boron ppm ASTM D6130 19 5 Molybdenum ppm ASTM D6130 >15 0 0 Aluminum ppm ASTM D6130 >10 0 <th></th> <th></th> <th></th> <th>Aug2022</th> <th>Apr2023</th> <th></th> <th></th>				Aug2022	Apr2023		
Sample Date Client Info 26 Apr 2023 03 Aug 2022 ··· Machine Age hrs Client Info 0 0 ··· Oil Age hrs Client Info 0 0 ··· Oil Changed Client Info N/A N/A ··· Sample Status ATTENTION ATTENTION ··· CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 3 5 ··· Phosphorus ppm ASTM D6130 3222 1477 ··· Boron ppm ASTM D6130 19 5 ··· Molybdenum ppm ASTM D6130 7 3 ··· CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >10 0 0 ··· Aluminum ppm ASTM D6130 >10 1 <1 ··· </th <th>SAMPLE INFOR</th> <th>MATION</th> <th>method</th> <th>limit/base</th> <th>current</th> <th>history1</th> <th>history2</th>	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 0 0 Oil Age hrs Client Info 0 0 Oil Changed Client Info N/A N/A Sample Status ATTENTION ATTENTION CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 3 5 Phosphorus ppm ASTM D6130 3222 1477 Boron ppm ASTM D6130 7 3 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 0 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >10 0 COPRESION ppm ASTM D6130 >10 0	Sample Number		Client Info		WC0711802	WC0711799	
Oil Age hrs Client Info 0 0 Oil Changed Client Info N/A N/A N/A Sample Status Client Info N/A N/A N/A CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 3 222 1477 Boron ppm ASTM D6130 19 5 Molybdenum ppm ASTM D6130 7 3 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 0 Aluminum ppm ASTM D6130 >10 0 0 Lead ppm ASTM D6130 >10 1 <1	Sample Date		Client Info		26 Apr 2023	03 Aug 2022	
Oil Changed Sample Status Client Info N/A N/A N/A	Machine Age	hrs	Client Info		0	0	
Sample Status	Oil Age	hrs	Client Info		0	0	
CORROSION INHIBITORS method limit/base current history1 history2	Oil Changed		Client Info		N/A	N/A	
Silicon ppm ASTM D6130 3 5	Sample Status				ATTENTION	ATTENTION	
Phosphorus ppm ASTM D6130 3222 1477 Boron ppm ASTM D6130 19 5 Molybdenum ppm ASTM D6130 7 3 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 0 Aluminum ppm ASTM D6130 >10 0 0 Copper ppm ASTM D6130 >10 1 <1	CORROSION INF	HIBITORS	method	limit/base	current	history1	history2
Boron	Silicon	ppm	ASTM D6130		3	5	
Molybdenum ppm ASTM D6130 7 3 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 0 Aluminum ppm ASTM D6130 >10 0 0 Copper ppm ASTM D6130 >10 1 <1	Phosphorus	ppm	ASTM D6130		3222	1477	
CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 0 Aluminum ppm ASTM D6130 >10 0 0 Copper ppm ASTM D6130 >10 1 <1	Boron	ppm	ASTM D6130		19	5	
Iron	Molybdenum	ppm	ASTM D6130		7	3	
Aluminum ppm ASTM D6130 >10 0 0 Copper ppm ASTM D6130 >10 1 <1 Lead ppm ASTM D6130 >10 0 0 Tin ppm ASTM D6130 0 0 Zinc ppm ASTM D6130 0 0 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 31 3 Particles >4μm ASTM D7647 >5000 2714 3289 Particles >6μm ASTM D7647 >1300 1479 1791 Particles >14μm ASTM D7647 >40 85 103 Particles >21μm ASTM D7647 >40 85 103 Particles >71μm ASTM D7647 >3 1 2 Oil Cleanliness	CORROSION		method	limit/base	current	history1	history2
Copper ppm ASTM D6130 >10 1 <1 Lead ppm ASTM D6130 >10 <1	Iron	ppm	ASTM D6130	>15	0	0	
Lead ppm ASTM D6130 >10 <1 0 Tin ppm ASTM D6130 >10 0 0 Zinc ppm ASTM D6130 0 0 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 31 3 Particles >4μm ASTM D7647 >5000 2714 3289 Particles >6μm ASTM D7647 >1300 1479 1791 Particles >14μm ASTM D7647 >160 252 3005 Particles >21μm ASTM D7647 >40 85 103 Particles >38μm ASTM D7647 >10 13 16 Particles >71μm ASTM D7647 >3 1 2 Oil Cleanliness ISO 4406 (c) >19/17/14 19/18/15 19/18/15 CARRIER SALTS met	Aluminum	ppm	ASTM D6130	>10	0	0	
Tin ppm ASTM D6130 >10 0 0 Zinc ppm ASTM D6130 0 0 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 31 3 Particles >4μm ASTM D7647 >5000 2714 3289 Particles >6μm ASTM D7647 >1300 1479 1791 Particles >14μm ASTM D7647 >160 252 305 Particles >21μm ASTM D7647 >40 85 103 Particles >38μm ASTM D7647 >10 13 16 Particles >71μm ASTM D7647 >3 1 2 Oil Cleanliness ISO 4406 (c) >19/17/14 19/18/15 19/18/15 CARRIER SALTS method limit/base current history1 history2 SCALE POTENTIAL	Copper	ppm	ASTM D6130	>10	1	<1	
Zinc ppm ASTM D6130 0 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 31 3 Particles >4μm ASTM D7647 >5000 2714 3289 Particles >6μm ASTM D7647 >1300 1479 1791 Particles >14μm ASTM D7647 >160 252 305 Particles >21μm ASTM D7647 >40 85 103 Particles >38μm ASTM D7647 >10 13 16 Particles >71μm ASTM D7647 >3 1 2 Oil Cleanliness ISO 4406 (c) >19/17/14 19/18/15 19/18/15 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 244 126 SCALE POTENTIAL method lim	Lead	ppm	ASTM D6130	>10	<1	0	
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Chlorine ppm ASTM D6130 31 3 Particles >4μm ASTM D7647 >5000 2714 3289 Particles >6μm ASTM D7647 >1300 1479 1791 Particles >14μm ASTM D7647 >160 252 305 Particles >21μm ASTM D7647 >40 85 103 Particles >38μm ASTM D7647 >10 13 16 Particles >71μm ASTM D7647 >3 1 2 Oil Cleanliness ISO 4406 (c) >19/17/14 19/18/15 19/18/15 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 244 126 Potassium ppm ASTM D6130 current history1 history2 Calcium ppm ASTM D6130 <1	Zinc	ppm	ASTM D6130		0	0	
Particles >4μm ASTM D7647 >5000 2714 3289 Particles >6μm ASTM D7647 >1300 1479 1791 Particles >14μm ASTM D7647 >160 252 305 Particles >21μm ASTM D7647 >40 85 103 Particles >38μm ASTM D7647 >10 13 16 Particles >71μm ASTM D7647 >3 1 2 Oil Cleanliness ISO 4406 (c) >19/17/14 19/18/15 19/18/15 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 244 126 Potassium ppm ASTM D6130 10000 3080 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 <1 <1	CONTAMINANTS	3	method	limit/base	current	history1	history2
Particles >6μm ASTM D7647 >1300 1479 1791 Particles >14μm ASTM D7647 >160 252 305 Particles >21μm ASTM D7647 >40 85 103 Particles >38μm ASTM D7647 >10 13 16 Particles >71μm ASTM D7647 >3 1 2 Oil Cleanliness ISO 4406 (c) >19/17/14 19/18/15 19/18/15 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 244 126 Potassium ppm ASTM D6130 10000 3080 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 <1	Chlorine	ppm	ASTM D6130		31	3	
Particles >14μm ASTM D7647 >160 252 305 Particles >21μm ASTM D7647 >40 85 103 Particles >38μm ASTM D7647 >10 13 16 Particles >71μm ASTM D7647 >3 1 2 Oil Cleanliness ISO 4406 (c) >19/17/14 19/18/15 19/18/15 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 244 126 Potassium ppm ASTM D6130 10000 3080 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 <1	Particles >4µm		ASTM D7647	>5000	2714	3289	
Particles >21μm ASTM D7647 >40 ▲ 85 ▲ 103 Particles >38μm ASTM D7647 >10 ▲ 13 ▲ 16 Particles >71μm ASTM D7647 >3 1 2 Oil Cleanliness ISO 4406 (c) >19/17/14 ▲ 19/18/15 ▲ 19/18/15 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 244 126 Potassium ppm ASTM D6130 10000 3080 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 <1	Particles >6µm		ASTM D7647	>1300	1479	<u></u> 1791	
Particles >38μm ASTM D7647 >10 13 16 Particles >71μm ASTM D7647 >3 1 2 Oil Cleanliness ISO 4406 (c) >19/17/14 19/18/15 19/18/15 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 244 126 Potassium ppm ASTM D6130 10000 3080 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 <1	Particles >14μm		ASTM D7647	>160	<u>^</u> 252	△ 305	
Particles >71μm ASTM D7647 >3 1 2 Oil Cleanliness ISO 4406 (c) >19/17/14 ▲ 19/18/15 ▲ 19/18/15 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 244 126 Potassium ppm ASTM D6130 10000 3080 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 <1	Particles >21µm		ASTM D7647	>40	<u> </u>	<u> </u>	
Oil Cleanliness ISO 4406 (c) >19/17/14 ▲ 19/18/15 —— CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 244 126 —— Potassium ppm ASTM D6130 10000 3080 —— SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 <1	Particles >38µm		ASTM D7647	>10	<u> </u>	<u></u> 16	
CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 244 126 Potassium ppm ASTM D6130 10000 3080 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 <1	Particles >71µm		ASTM D7647	>3	1	2	
Sodium ppm ASTM D6130 244 126 Potassium ppm ASTM D6130 10000 3080 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 <1 <1	Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u> </u>	▲ 19/18/15	
Potassium ppm ASTM D6130 10000 3080 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 <1	CARRIER SALTS	3	method	limit/base	current	history1	history2
SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 <1 <1	Sodium	ppm	ASTM D6130		244	126	
Calcium ppm ASTM D6130 <1 <1	Potassium	ppm	ASTM D6130		10000	3080	
Pp	SCALE POTENT	IAL	method	limit/base	current	history1	history2
Magnesium ppm ASTM D6130 <1 <1	Calcium	ppm	ASTM D6130		<1	<1	
	Magnesium	ppm	ASTM D6130		<1	<1	



COOLANT REPORT





Laboratory Sample No. Lab Number Unique Number : 10454954

: WC0711802

: 05836151

Received Diagnosed

: 02 May 2023 : 10 May 2023 Diagnostician : Doug Bogart

80 ENERGY LN

MESHOPPEN, PA US 18630

Test Package : COOL- (Additional Tests: COOL, ICP, KF, KV40, pH, PrtCount, SCREEN, TAN Man) Contact: JOE BARRETT To discuss this sample report, contact Customer Service at 1-800-237-1369. jbarrett@ugies.com

* - 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)

Contact/Location: JOE BARRETT - UGIMESWC

T:

F: