

COOLANT REPORT

WCLSNC QC COOL ELC NC 09012022

Component Coolant

CAT EXTENDED LIFE COOLANT (ELC) (--- GAL)





Recommendation

No corrective action is recommended at this time. The fluid is suitable for further service.

Corrosion

All metal levels are normal indicating no corrosion in the cooling system.

Contaminants

There is no indication of any contamination in the coolant.

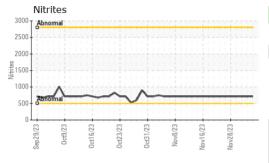
Coolant Condition

Carboxylate test failed. Glycol and nitrite levels are acceptable. The pH level of this fluid is within the acceptable limits.

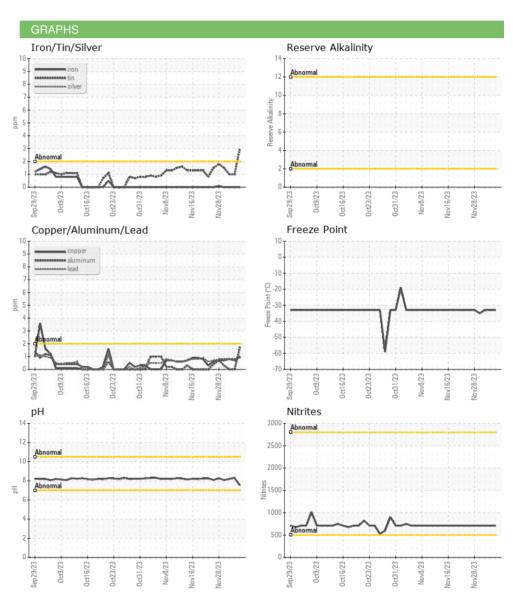
SAMPLE INFORMATION	- ,		12023 Oct20	23 Oct2023 Oct2023	Oct2023 Nov2023 Nov2023	Nov2023	
Sample Date Client Info 06 Dec 2023 05 Dec 2023 04 Dec 2023 Machine Age hrs Client Info 0 0 0 0 Oil Age hrs Client Info 0 0 0 0 Oil Changed Client Info N/A N/A N/A N/A Sample Status NORMAL NORMAL NORMAL NORMAL PHYSIGAL TEST RESULTS method limit/base current history1 history2 Specific Gravity "ASTM D1288 1.067 1.067 1.067 1.067 PH Sciel-94 ASTM D1287 7.52 8.29 8.20 Nitrites ppm AP-053:2009 712 712 712 Reserve Alkalinity Sciel-90 ASTM D321 Percentage Glycol % ASTM D3321 49.4 49.4 49.4 49.5 Freezing Point *F ASTM D3321 -33 -33 -33 -33	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 0 0 0 0 Oil Age hrs Client Info 0 0 0 0 Oil Chage hrs Client Info N/A N/A N/A N/A Sample Status NORMAL NORMAL NORMAL NORMAL NORMAL PHYSICAL TEST RESULTS method limit/base current history1 history2 Specific Gravity "ASTM D1298 1.067 1.067 1.067 1.067 pH Sale 041 ASTM D1298 1.067 1.067 1.067 pH Sale 0420 ASTM D1298 1.067 1.067 1.067 Percentage Glycol "ASTM D1121 Percentage Glycol "ASTM D3321 49.4 49.4 49.5 5 Freezing Point "F ASTM D61302 371.5 363.5 367.0 Garboxylate fail fail fail fail fail f	Sample Number		Client Info		WC0886409	WC0886408	WC0886407
Oil Age hrs Client Info N/A N/A N/A N/A Sample Status N/A NORMAL NORMAL NORMAL NORMAL NORMAL PHYSICAL TEST RESULTS method limit/base current history1 history2 Specific Gravity "ASTM D1288" 1.067 1.067 1.067 1.067 PH Scale 0-14 ASTM D1287 7.52 8.29 8.20 Nitrites ppm AP-053:2009 712 712 712 712 72 72 72 72 72 712 712 712 712 712 712 72 712	Sample Date		Client Info		06 Dec 2023	05 Dec 2023	04 Dec 2023
Oil Age hrs Client Info N/A N/A N/A N/A Sample Status N/A NORMAL NORMAL NORMAL NORMAL NORMAL PHYSICAL TEST RESULTS method limit/base current history1 history2 Specific Gravity "ASTM D1288" 1.067 1.067 1.067 1.067 PH Scale 0-14 ASTM D1287 7.52 8.29 8.20 Nitrites ppm AP-053:2009 712 712 712 712 72 72 72 72 72 712 712 712 712 712 712 72 712	Machine Age	hrs	Client Info		0	0	0
Oil Changed Sample Status Client Info Sample Status N/A NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL NORMAL PHYSICAL TEST RESULTS method limit/base current history1 history2 Specific Gravity pH *ASTM D1298 1.067 1.067 1.067 1.067 Nitrites ppm ppm AP-053:2009 712 712 712 712 Reserve Alkalinity Scale 0-20 ASTM D321 Percentage Glycol *ASTM D3321 49.4 49.4 49.5 49.5 Freezing Point *F ASTM D3321 -33 -34 -00 0 -1 5 5 5 5 5 5 5 5 5 5 5 5 5 5 2	Oil Age	hrs	Client Info		0	0	0
Sample Status	-		Client Info		N/A	N/A	N/A
Specific Gravity	Sample Status				NORMAL	NORMAL	NORMAL
PH	PHYSICAL TEST F	RESULTS	method	limit/base	current	history1	history2
Nitrites	Specific Gravity		*ASTM D1298		1.067	1.067	1.067
Reserve Alkalinity	pН	Scale 0-14	ASTM D1287		7.52	8.29	8.20
Percentage Glycol % ASTM D3321 49.4 49.4 49.5	Nitrites	ppm	AP-053:2009		712	712	712
Freezing Point °F ASTM D3321 -33 -33 -33 -33 Total Dissolved Solids 371.5 363.5 367.0 Carboxylate fail fail fail CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 0 0 <1 5 Phosphorus ppm ASTM D6130 0 0 0 10 Boron ppm ASTM D6130 0 0 0 10 Molybdenum ppm ASTM D6130 950 768 615 621 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >2 2 0 0 Copper ppm ASTM D6130 >2 1 <1 <1 Lead ppm ASTM D6130 >2 <1 <1 <1 Zinc <	Reserve Alkalinity	Scale 0-20	*ASTM D1121				
Total Dissolved Solids	Percentage Glycol	%	ASTM D3321		49.4	49.4	49.5
Carboxylate fail fail fail fail CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 0 0 <1 5 Phosphorus ppm ASTM D6130 0 0 0 0 10 Boron ppm ASTM D6130 0 0 0 10 10 Molybdenum ppm ASTM D6130 950 768 615 621 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >2 0 0 0 Aluminum ppm ASTM D6130 >2 1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1<	Freezing Point	°F	ASTM D3321		-33	-33	-33
CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 0 0 <1	Total Dissolved Solids				371.5	363.5	367.0
Silicon ppm ASTM D6130 0 0 <1	Carboxylate				fail	fail	fail
Phosphorus ppm ASTM D6130 0 25 5 52 Boron ppm ASTM D6130 0 0 0 10 Molybdenum ppm ASTM D6130 950 768 615 621 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >2 0 0 0 Aluminum ppm ASTM D6130 >2 2 0 0 0 Copper ppm ASTM D6130 >2 1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <	CORROSION INH	IBITORS	method	limit/base	current	history1	history2
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Molybdenum ppm ASTM D6130 950 768 615 621 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >2 0 0 0 Aluminum ppm ASTM D6130 >2 2 0 0 0 Copper ppm ASTM D6130 >2 1 <1 <1 <1 Lead ppm ASTM D6130 >2 3 1 1 1 Zinc ppm ASTM D6130 >2 3 1 1 <1 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 10 5 3 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 43 3 227 SCALE POTENTIAL method limit/base	Phosphorus	ppm	ASTM D6130	0	25	5	52
CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >2 0 0 0 Aluminum ppm ASTM D6130 >2 2 0 0 Copper ppm ASTM D6130 >2 1 <1 <1 Lead ppm ASTM D6130 >2 <1 <1 <1 Tin ppm ASTM D6130 >2 3 1 1 Zinc ppm ASTM D6130 >2 <1 <1 <1 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 10 5 3 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 4202 3382 3420 Potassium ppm ASTM D6130 >5 2 2 2	Boron	ppm	ASTM D6130	0	0	0	10
Iron ppm ASTM D6130 >2 0 0 0 Aluminum ppm ASTM D6130 >2 2 0 0 Copper ppm ASTM D6130 >2 1 <1	Molybdenum	ppm	ASTM D6130	950	768	615	621
Aluminum ppm ASTM D6130 >2 2 0 0 Copper ppm ASTM D6130 >2 1 <1 <1 Lead ppm ASTM D6130 >2 <1 <1 <1 Tin ppm ASTM D6130 >2 3 1 1 Zinc ppm ASTM D6130 >2 <1 <1 <1 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 10 5 3 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 4202 3382 3420 Potassium ppm ASTM D6130 43 3 227 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 >5 2 2 2	CORROSION		method	limit/base	current	history1	history2
Copper ppm ASTM D6130 >2 1 <1	Iron	ppm	ASTM D6130	>2	0	0	0
Lead ppm ASTM D6130 >2 <1	Aluminum	ppm	ASTM D6130	>2	2	0	0
Tin ppm ASTM D6130 >2 3 1 1 Zinc ppm ASTM D6130 >2 <1	Copper	ppm	ASTM D6130	>2	1	<1	<1
Zinc ppm ASTM D6130 >2 <1	Lead	ppm	ASTM D6130	>2	<1	<1	<1
CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 10 5 3 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 4202 3382 3420 Potassium ppm ASTM D6130 43 3 227 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 >5 2 2 2	Tin	ppm	ASTM D6130	>2	3	1	1
Chlorine ppm ASTM D6130 10 5 3 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 4202 3382 3420 Potassium ppm ASTM D6130 43 3 227 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 >5 2 2 2	Zinc	ppm	ASTM D6130	>2	<1	<1	<1
CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 4202 3382 3420 Potassium ppm ASTM D6130 43 3 227 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 >5 2 2 2	CONTAMINANTS	;	method	limit/base	current	history1	history2
Sodium ppm ASTM D6130 4202 3382 3420 Potassium ppm ASTM D6130 43 3 227 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 >5 2 2 2	Chlorine	ppm	ASTM D6130		10	5	3
Potassium ppm ASTM D6130 43 3 227 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 >5 2 2 2	CARRIER SALTS		method	limit/base	current	history1	history2
SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 >5 2 2 2	Sodium	ppm	ASTM D6130		4202	3382	3420
Calcium ppm ASTM D6130 >5 2 2 2 2	Potassium		ASTM D6130		43	3	227
PP 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SCALE POTENTI	AL	method	limit/base	current	history1	history2
Magnesium ppm ASTM D6130 >6 2 1 1	Calcium	ppm	ASTM D6130	>5	2	2	2
	Magnesium	ppm	ASTM D6130	>6	2	1	1



COOLANT REPORT











Certificate L2367

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0886409 : 06026966

: 10776757

Recieved : 06 Dec 2023 Diagnosed : 19 Dec 2023 Diagnostician : Jonathan Hester

Test Package : COOL- (Additional Tests: COOL, ICP) 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)

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Submitted By: ?