

COOLANT REPORT

WCLSNC Machine Id QC COOL ELC NC 09012022

Component Coolant

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





DIAGNOSIS

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.

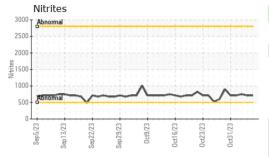
Coolant Condition

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

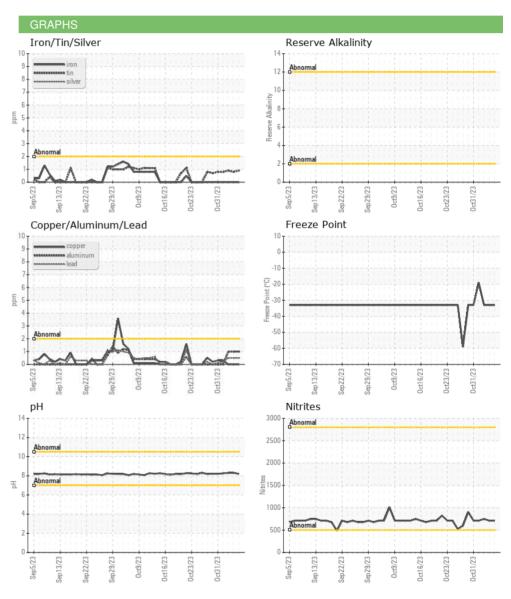
Sample Number Client Info WC0877732 WC0877731 WC0877758 Sample Date Client Info 07 Nov 2023 06 Nov 2023 03 Nov 2023 Machine Age hrs Client Info 0 0 0 Oil Age hrs Client Info 0 0 0 Oil Changed Client Info N/A N/A N/A Sample Status Client Info N/A N/A N/A PHYSICAL TEST RESULTS method Imitities current history1 history2 Specific Gravity "ASTM D1288 1.067 1.067 1.067 1.067 PH Scale 0:14 ASTM D1287 8.20 8.30 8.29 Nitrites ppm AP-653.2009 712 712 748 Reserve Alkalinity Scale 0:14 ASTM D3321 33 -33 -33 Freezing Point "F ASTM D3321 49.4 49.4 49.4 Freezing Point "F ASTM D6130	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 0 0 0 Oil Age hrs Client Info 0 0 0 Oil Changed Client Info N/A N/A N/A N/A Sample Status Client Info N/A N/A N/A N/A PHYSICAL TEST RESULTS method limit/base current history1 history2 Specific Gravity "ASTM D1287" 8.20 8.30 8.29 Nitrites ppm AP-053:2009 712 712 748 Reserve Alkalinity \$cale 0:20 "ASTM D1281 Percentage Glycol % ASTM D3321 49.4 49.4 49.4 49.4 Freezing Point "F ASTM D3321 -33 -33 -33 -33 -33 -33 -33 -37.0 0 1 fail •	Sample Number		Client Info		WC0877732	WC0877731	WC0877758
Oil Age hrs Client Info N/A N/A N/A N/A Sample Status Client Info N/A N/A N/A N/A PHYSICAL TEST RESULTS method limit/base current history1 history2 Specific Gravity *ASTM D1288 1.067	Sample Date		Client Info		07 Nov 2023	06 Nov 2023	03 Nov 2023
Oil Changed Sample Status Client Info N/A N/A N/A N/A PHYSICAL TEST RESULTS method limit/base current history1 history2 Specific Gravity "ASTM D1298" 1.067 1.067 1.067 1.067 pH Scale 0-14 ASTM D1298 1.067 1.067 1.067 PH Scale 0-20 ASTM D1287 8.20 8.30 8.29 Nitrites ppm AP-053:2009 712 712 748 Reserve Alkalinity Scale 0-20 ASTM D321	Machine Age	hrs	Client Info		0	0	0
Sample Status	Oil Age	hrs	Client Info		0	0	0
PHYSICAL TEST RESULTS method limit/base current history1 history2	Oil Changed		Client Info		N/A	N/A	N/A
Specific Gravity	Sample Status				NORMAL	SEVERE	SEVERE
pH Scale 0-14 ASTM D1287 8.20 8.30 8.29 Nitrites ppm AP-053:2009 712 712 748 Reserve Alkalinity Scale 0-20 "ASTM D1121 Percentage Glycol % ASTM D3321 49.4 49.4 49.4 Freezing Point °F ASTM D3321 -33 -33 -33 Total Dissolved Solids 332.5 379.0 377.0 Carboxylate fail fail fail fail CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 0 4 3 3 3 Phosphorus ppm ASTM D6130 0 <1 <1 3 3 3 3 3 3 3 3 3 3 3 3 4 4 3 3 3 3 3 4 4 3 3	PHYSICAL TEST R	RESULTS	method	limit/base	current	history1	history2
Nitrites ppm AP-053:2009 712 712 748 Reserve Alkalinity Scale 0:20 "ASTM D1121" Percentage Glycol % ASTM D3321 49.4 49.4 49.4 Freezing Point "F ASTM D3321 -33 -33 -33 Total Dissolved Solids 332.5 379.0 377.0 Carboxylate fail fail fail fail CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 0 4 3 3 Phosphorus ppm ASTM D6130 0 <1 <1 3 Boron ppm ASTM D6130 0 <1 <1 3 Boron ppm ASTM D6130 950 701 641 656 CORROSION method limit/base current history1 history2 Iron ppm ASTM	Specific Gravity		*ASTM D1298		1.067	1.067	1.067
Reserve Alkalinity Scale 0-20 *ASTM D1121 <	рН	Scale 0-14	ASTM D1287		8.20	8.30	8.29
Percentage Glycol % ASTM D3321 49.4 49.4 49.4 Freezing Point °F ASTM D3321 -33 -33 -33 -33 Total Dissolved Solids 332.5 379.0 377.0 377.0 Carboxylate fail fail fail fail CORROSION INHIBITORS method limit/base current bistory1 history2 Silicon ppm ASTM D6130 0 4 4 3 3 3 Phosphorus ppm ASTM D6130 0 4 1 3 3 3 Phosphorus ppm ASTM D6130 0 0 4 1 0 0 1 0 4 3 3 Boron ppm ASTM D6130 0 0 1 0 0 1 4 3 3 3 CORROSION method limit/base current bistory1 history2 Iron ppm ASTM D6130 >2 0 0 0 0 0 0 0 0 Aluminum ppm ASTM D6130 >2 1 1 1 1 1 1 1 1 Copper ppm ASTM D6130 >2 0 0 0 0 0 0 0 0 Lead ppm ASTM D6130 >2 4 1 2 1 2 1 2 1 2 1 2 1 2 2 1 2 1 2	Nitrites	ppm	AP-053:2009		712	712	748
Freezing Point °F ASTM D3321 -33 -33 -33 -33 Total Dissolved Solids 332.5 379.0 377.0	Reserve Alkalinity	Scale 0-20	*ASTM D1121				
Freezing Point °F ASTM D3321 -33 -33 -33 -33 Total Dissolved Solids 332.5 379.0 377.0	Percentage Glycol	%	ASTM D3321		49.4	49.4	49.4
Carboxylate fail Contacle ppm ASTM D6130 0 <1 1 1 3 3 3 3 3 3 3 3 4 3 3 3 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Freezing Point	°F	ASTM D3321		-33	-33	-33
CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 0 4 3 3 Phosphorus ppm ASTM D6130 0 <1 <1 3 Boron ppm ASTM D6130 0 <1 0 <1 Molybdenum ppm ASTM D6130 950 701 641 656 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >2 0 0 0 Aluminum ppm ASTM D6130 >2 1 1 1 Copper ppm ASTM D6130 >2 1 <1 <1 Lead ppm ASTM D6130 >2 <1 <1 <1 Zinc ppm ASTM D6130 >2 <1 <1 <1 CONTAMINANTS method limit/base current history1	Total Dissolved Solids				332.5	379.0	377.0
Silicon ppm ASTM D6130 0 4 3 3 Phosphorus ppm ASTM D6130 0 <1 <1 3 Boron ppm ASTM D6130 0 <1 0 <1 Molybdenum ppm ASTM D6130 950 701 641 656 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >2 0 0 0 Aluminum ppm ASTM D6130 >2 1 1 1 Copper ppm ASTM D6130 >2 1 <1 <1 Copper ppm ASTM D6130 >2 <1 <1 <1 Lead ppm ASTM D6130 >2 <1 <1 <1 Zinc ppm ASTM D6130 >2 <1 <1 <1 Chlorine ppm ASTM D6130 3876 3598 369	Carboxylate				fail	fail	fail
Phosphorus ppm ASTM D6130 0 <1	CORROSION INH	IBITORS	method	limit/base	current	history1	history2
Boron ppm ASTM D6130 0 <1	Silicon	ppm	ASTM D6130	0	4	3	3
Boron ppm ASTM D6130 0 <1	Phosphorus	ppm	ASTM D6130	0	<1	<1	3
CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >2 0 0 0 Aluminum ppm ASTM D6130 >2 1 1 1 Copper ppm ASTM D6130 >2 0 0 0 Lead ppm ASTM D6130 >2 <1 <1 <1 Tin ppm ASTM D6130 >2 <1 <1 <1 Zinc ppm ASTM D6130 >2 0 0 0 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 8 8 6 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 9 5 6 SCALE POTENTIAL method limit/base current history1 history2 <		ppm	ASTM D6130	0	<1	0	<1
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Copper ppm ASTM D6130 >2 0 0 0 Lead ppm ASTM D6130 >2 <1 <1 <1 Tin ppm ASTM D6130 >2 <1 <1 <1 Zinc ppm ASTM D6130 >2 0 0 0 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 8 8 6 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 3876 3598 3691 Potassium ppm ASTM D6130 9 5 6 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 >5 <1 <1 <1	Iron	ppm	ASTM D6130	>2	0	0	0
Lead ppm ASTM D6130 >2 <1	Aluminum	ppm	ASTM D6130	>2	1	1	1
Tin ppm ASTM D6130 >2 <1	Copper	ppm	ASTM D6130	>2	0	0	0
Zinc ppm ASTM D6130 >2 0 0 0 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 8 8 6 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 3876 3598 3691 Potassium ppm ASTM D6130 9 5 6 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 >5 <1	Lead	ppm	ASTM D6130	>2	<1	<1	<1
CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 8 8 6 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 3876 3598 3691 Potassium ppm ASTM D6130 9 5 6 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 >5 <1 <1 <1	Tin	ppm	ASTM D6130	>2	<1	<1	<1
Chlorine ppm ASTM D6130 8 8 6 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 3876 3598 3691 Potassium ppm ASTM D6130 9 5 6 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 >5 <1 <1 <1	Zinc	ppm	ASTM D6130	>2	0	0	0
CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 3876 3598 3691 Potassium ppm ASTM D6130 9 5 6 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 >5 <1 <1 <1	CONTAMINANTS		method	limit/base	current	history1	history2
Sodium ppm ASTM D6130 3876 3598 3691 Potassium ppm ASTM D6130 9 5 6 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 >5 <1	Chlorine	ppm	ASTM D6130		8	8	6
Potassium ppm ASTM D6130 9 5 6 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 >5 <1	CARRIER SALTS		method	limit/base	current	history1	history2
SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 >5 <1 <1 <1	Sodium	ppm	ASTM D6130		3876	3598	3691
Calcium ppm ASTM D6130 >5 <1	Potassium	ppm	ASTM D6130		9	5	6
	SCALE POTENTI	AL	method	limit/base	current	history1	history2
Magnesium ppm ASTM D6130 >6 1 <1	Calcium	ppm	ASTM D6130	>5	<1	<1	<1
	Magnesium	ppm	ASTM D6130	>6	1	<1	1



COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual		Red	Red	Red
Coolant Appearance	*Visual	Clear	normal	normal	normal
Color					
Bottom					





Certificate L2367

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

: WC0877732 : 06000852 : 10729212

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 07 Nov 2023

Diagnosed : 09 Nov 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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