

COOLANT REPORT

WCLSNC QC COOL ELC NC 09012022

Component Coolant Fluid

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



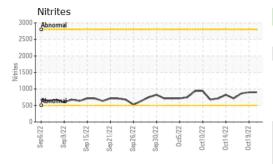


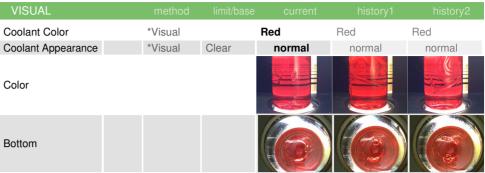
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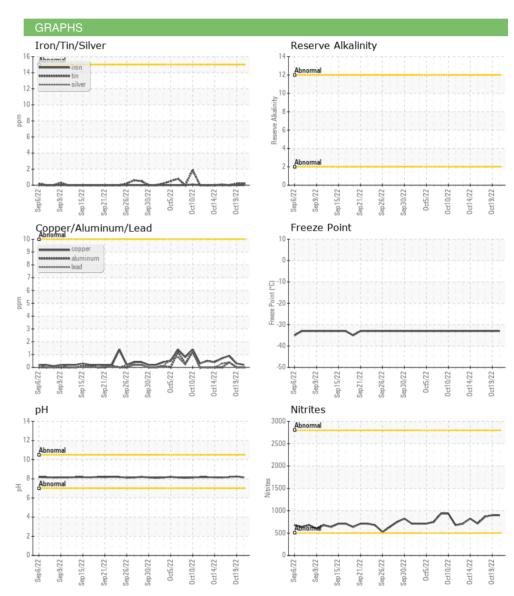
Sample Number	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 0 0 0 Oil Age hrs Client Info 0 0 0 Oil Changed Client Info N/A N/A N/A N/A Sample Status NORMAL NORMAL NORMAL NORMAL NORMAL PH Status Machine Age Current history1 history2 Specific Gravity "ASTM D1287" 8.15 8.23 8.16 Nitrites ppm AP-053:2009 900 900 864 Reserve Alkalinity Scale 0:20" "ASTM D1121 Percentage Glycol % ASTM D3321 49.9 49.7 49.9 Freezing Point "F ASTM D3321 -33 -33 -33 -33 Carboxylate pass pass pass pass pass CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 0 <th>Sample Number</th> <th></th> <th>Client Info</th> <th></th> <th>WC0749314</th> <th>WC0749313</th> <th>WC0749312</th>	Sample Number		Client Info		WC0749314	WC0749313	WC0749312
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 1.067 1.067 1.067 PH Scale 0-14 ASTM D1287 8.15 8.23 8.16 Nitrites ppm AP-053:2009 900 900 864 Reserve Alkalinity Scale 0-14 ASTM D1121 Percentage Glycol % ASTM D3321 49.9 49.7 49.9 9 Freezing Point *F ASTM D3321 -33 -33 -33 -33 -33 -35.5 Carboxylate pass	Sample Date		Client Info		20 Oct 2022	19 Oct 2022	18 Oct 2022
Oil Changed Client Info	Machine Age	hrs	Client Info		0	0	0
Sample Status	Oil Age	hrs	Client Info		-	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	NORMAL	NORMAL
PH	PHYSICAL TEST R	RESULTS	method	limit/base	current	history1	history2
Nitrites	Specific Gravity		*ASTM D1298		1.067	1.067	1.067
Reserve Alkalinity	рН	Scale 0-14	ASTM D1287		8.15	8.23	8.16
Percentage Glycol % ASTM D3321 49.9 49.7 49.9 Freezing Point °F ASTM D3321 -33 -33 -33 Total Dissolved Solids Java 16.5 378.5 416.5 378.5 Carboxylate pass pass pass pass CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 0 9 12 17 Phosphorus ppm ASTM D6130 0 0 0 0 Boron ppm ASTM D6130 0 2 2 13 Molybdenum ppm ASTM D6130 950 1001 1053 1095 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >10 0 0 <1 Copper ppm ASTM D6130 >10 <1 <1 <1 <1 <tr< th=""><th>Nitrites</th><th>ppm</th><th>AP-053:2009</th><th></th><th>900</th><th>900</th><th>864</th></tr<>	Nitrites	ppm	AP-053:2009		900	900	864
Freezing Point %F ASTM D3321 -33 -33 -33 -33 378.5	Reserve Alkalinity	Scale 0-20	*ASTM D1121				
Total Dissolved Solids	Percentage Glycol	%	ASTM D3321		49.9	49.7	49.9
Carboxylate pass pass pass pass CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 0 9 12 17 Phosphorus ppm ASTM D6130 0 0 0 0 Boron ppm ASTM D6130 0 2 2 13 Molybdenum ppm ASTM D6130 950 1001 1053 1095 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 0 0 Aluminum ppm ASTM D6130 >10 <1 <1 <1 Copper ppm ASTM D6130 >10 <1 <1 <1 Lead ppm ASTM D6130 >10 <1 <1 <1 0 Zinc ppm ASTM D6130 0 0 0 <t< th=""><th>Freezing Point</th><th>°F</th><th>ASTM D3321</th><th></th><th>-33</th><th>-33</th><th>-33</th></t<>	Freezing Point	°F	ASTM D3321		-33	-33	-33
CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 0 9 12 17 Phosphorus ppm ASTM D6130 0 0 0 0 Boron ppm ASTM D6130 0 2 2 13 Molybdenum ppm ASTM D6130 950 1001 1053 1095 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 0 0 Aluminum ppm ASTM D6130 >10 0 0 <1 Copper ppm ASTM D6130 >10 <1 <1 <1 Lead ppm ASTM D6130 >10 <1 <1 0 Zinc ppm ASTM D6130 0 0 0 0 CONTAMINANTS method limit/base current <td< th=""><th>Total Dissolved Solids</th><th></th><th></th><th></th><th>343.5</th><th>416.5</th><th>378.5</th></td<>	Total Dissolved Solids				343.5	416.5	378.5
Silicon ppm ASTM D6130 0 9 12 17 Phosphorus ppm ASTM D6130 0 0 0 0 Boron ppm ASTM D6130 0 2 2 13 Molybdenum ppm ASTM D6130 950 1001 1053 1095 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 0 0 Aluminum ppm ASTM D6130 >10 0 0 <1	Carboxylate				pass	pass	pass
Phosphorus ppm ASTM D6130 0 0 0 0 Boron ppm ASTM D6130 0 2 2 13 Molybdenum ppm ASTM D6130 950 1001 1053 1095 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 0 0 Aluminum ppm ASTM D6130 >10 0 0 <1 Copper ppm ASTM D6130 >10 <1 <1 <1 Lead ppm ASTM D6130 >10 <1 <1 0 Tin ppm ASTM D6130 >10 <1 <1 0 Zinc ppm ASTM D6130 0 0 0 0 CONTAMINANTS method limit/base current history1 history2 Sodium ppm ASTM D6130 4805 4930	CORROSION INH	IBITORS	method	limit/base	current	history1	history2
Boron ppm ASTM D6130 0 2 2 13 Molybdenum ppm ASTM D6130 950 1001 1053 1095 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 0 0 Aluminum ppm ASTM D6130 >10 0 0 <1 Copper ppm ASTM D6130 >10 <1 <1 <1 Lead ppm ASTM D6130 >10 0 0 <1 Tin ppm ASTM D6130 >10 <1 <1 0 Zinc ppm ASTM D6130 0 0 0 0 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 4805 4930 4883 Potassium ppm ASTM D6130 40 13 76 <	Silicon	ppm	ASTM D6130	0	9	12	17
Molybdenum ppm ASTM D6130 950 1001 1053 1095 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 0 0 Aluminum ppm ASTM D6130 >10 0 0 <1 Copper ppm ASTM D6130 >10 <1 <1 <1 Lead ppm ASTM D6130 >10 <1 <1 0 Zinc ppm ASTM D6130 >10 <1 <1 0 Zinc ppm ASTM D6130 0 0 0 0 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 4805 4930 4883 Potassium ppm ASTM D6130 40 13 76 SCALE POTENTIAL method limit/base current history1 history2	Phosphorus	ppm	ASTM D6130	0	0	0	0
CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 0 0 Aluminum ppm ASTM D6130 >10 0 0 <1 Copper ppm ASTM D6130 >10 <1 <1 <1 Lead ppm ASTM D6130 >10 0 0 <1 Tin ppm ASTM D6130 >10 <1 <1 0 Zinc ppm ASTM D6130 0 0 0 0 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 4805 4930 4883 Potassium ppm ASTM D6130 40 13 76 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 0 <1 <1	Boron	ppm	ASTM D6130	0	2	2	13
Iron ppm ASTM D6130 >15 0 0 0 Aluminum ppm ASTM D6130 >10 0 0 <1	Molybdenum	ppm	ASTM D6130	950	1001	1053	1095
Aluminum ppm ASTM D6130 >10 0 <1	CORROSION		method	limit/base	current	history1	history2
Copper ppm ASTM D6130 >10 <1	Iron	ppm	ASTM D6130	>15	0	0	0
Lead ppm ASTM D6130 >10 0 0 <1	Aluminum	ppm	ASTM D6130	>10	0	0	<1
Tin ppm ASTM D6130 >10 <1	Copper	ppm	ASTM D6130	>10	<1	<1	<1
Zinc ppm ASTM D6130 0 0 0 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 6 0 3 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 4805 4930 4883 Potassium ppm ASTM D6130 40 13 76 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 0 <1	Lead	ppm	ASTM D6130	>10	0	0	<1
CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 6 0 3 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 4805 4930 4883 Potassium ppm ASTM D6130 40 13 76 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 0 <1 <1	Tin	ppm	ASTM D6130	>10	<1	<1	0
Chlorine ppm ASTM D6130 6 0 3 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 4805 4930 4883 Potassium ppm ASTM D6130 40 13 76 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 0 <1 <1	Zinc	ppm	ASTM D6130		0	0	0
CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 4805 4930 4883 Potassium ppm ASTM D6130 40 13 76 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 0 <1 <1	CONTAMINANTS		method	limit/base	current	history1	history2
Sodium ppm ASTM D6130 4805 4930 4883 Potassium ppm ASTM D6130 40 13 76 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 0 <1	Chlorine	ppm	ASTM D6130		6	0	3
Potassium ppm ASTM D6130 40 13 76 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 0 <1 <1	CARRIER SALTS		method	limit/base	current	history1	history2
Potassium ppm ASTM D6130 40 13 76 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 0 <1 <1	Sodium	ppm	ASTM D6130		4805	4930	4883
Calcium ppm ASTM D6130 0 <1	Potassium		ASTM D6130		40	13	76
in the second se	SCALE POTENTI	AL	method	limit/base	current	history1	history2
Magnesium ppm ASTM D6130 0 <1	Calcium	ppm	ASTM D6130		0	<1	<1
	Magnesium	ppm	ASTM D6130		0	0	<1



COOLANT REPORT









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

: WC0749314 : 05672071 : 10181641

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 20 Oct 2022 Diagnosed

: 02 Oct 2023 Diagnostician : System

WEARCHECK LUBRICATION SERVICES QA ACCOUNT 501 Madison Ave

Cary, NC US 27513

Contact: WCLS CARY NC

Test Package : COOL- (Additional Tests: COOL, ICP) Certificate L2367 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) T: (919)379-4102

F: (919)379-4050