

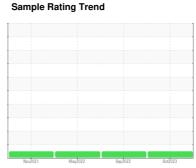
COOLANT REPORT



KANSAS/44 20.022L [KANSAS^44] Component

Coolant

CATERPILLAR ELC (2 GAL)





Recommendation

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.

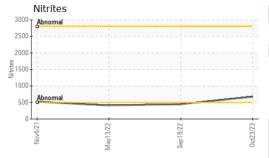
Coolant Condition

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

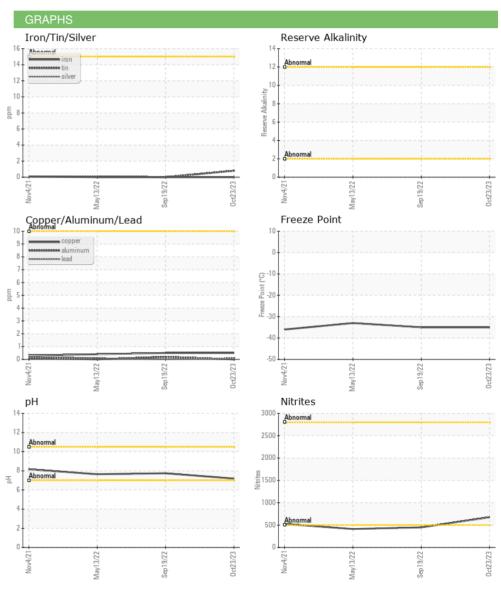
SAMPLE INFORMATION method limit/base current history1 history2	GAL)		Nov202	1 May2022	Sep 2022 (0ct2023	
Sample Date	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 1480 684 171 Oil Age hrs Client Info 0 684 171 Oil Changed Client Info Not Changd Not Ghangd	Sample Number		Client Info		WC0833824	WC0712287	WC0673470
Oil Age hrs Client Info Not Changd	Sample Date		Client Info		23 Oct 2023	19 Sep 2022	13 May 2022
Oil Changed Sample Status Client Info Not Changd NORMAL 1.066 412 1.066 412 1.06 49.0 1.06 49.0 1.06 49.0 1.06 49.0 1.06 1.06 <t< th=""><th>Machine Age</th><th>hrs</th><th>Client Info</th><th></th><th>1480</th><th>684</th><th>171</th></t<>	Machine Age	hrs	Client Info		1480	684	171
Sample Status	Oil Age	hrs	Client Info		0	684	171
PHYSICAL TEST RESULTS method limit/base current history1 history2	Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Specific Gravity	Sample Status				NORMAL	NORMAL	NORMAL
pH Scale 0-14 ASTM D1287 7.19 7.74 7.64 Nitrites ppm AP-053:2009 676 448 412 Reserve Alkalinity Scale 0-20 "ASTM D1121 Percentage Glycol % ASTM D3321 50.9 50.1 49.0 Freezing Point "F ASTM D3321 -35 -35 -33 Total Dissolved Solids 442.5 380.0 356.0 356.0 Carboxylate fail pass pass CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 0 11 31 28 Phosphorus ppm ASTM D6130 0 3 43 9 Boron ppm ASTM D6130 0 0 0 0 Molybdenum ppm ASTM D6130 950 492 880 891 CORROSION method limit/	PHYSICAL TEST F	RESULTS	method	limit/base	current	history1	history2
Nitrites	Specific Gravity		*ASTM D1298		1.068	1.068	1.066
Reserve Alkalinity Scale 0-20 "ASTM D1121	рН	Scale 0-14	ASTM D1287		7.19	7.74	7.64
Percentage Glycol %	Nitrites	ppm	AP-053:2009		676	448	412
Freezing Point °F ASTM D3321 -35 -35 -33 Total Dissolved Solids 442.5 380.0 356.0 Carboxylate fail pass pass CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 0 11 31 28 Phosphorus ppm ASTM D6130 0 3 43 9 Boron ppm ASTM D6130 0 0 0 0 Molybdenum ppm ASTM D6130 950 492 880 891 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 0 0 Aluminum ppm ASTM D6130 >10 <1	Reserve Alkalinity	Scale 0-20	*ASTM D1121				
Total Dissolved Solids	Percentage Glycol	%	ASTM D3321		50.9	50.1	49.0
Carboxylate fail pass pass CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 0 11 31 28 Phosphorus ppm ASTM D6130 0 3 43 9 Boron ppm ASTM D6130 0 0 0 0 Molybdenum ppm ASTM D6130 950 492 880 891 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 0 0 Aluminum ppm ASTM D6130 >10 <1	Freezing Point	°F	ASTM D3321		-35	-35	-33
CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 0 11 31 28 Phosphorus ppm ASTM D6130 0 3 43 9 Boron ppm ASTM D6130 0 0 0 0 Molybdenum ppm ASTM D6130 950 492 880 891 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 0 0 Aluminum ppm ASTM D6130 >10 <1	Total Dissolved Solids				442.5	380.0	356.0
Silicon	Carboxylate				fail	pass	pass
Phosphorus ppm ASTM D6130 0 3 43 9 Boron ppm ASTM D6130 0 0 0 0 Molybdenum ppm ASTM D6130 950 492 880 891 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 0 0 Aluminum ppm ASTM D6130 >10 0 <1	CORROSION INH	IBITORS	method	limit/base	current	history1	history2
Boron ppm ASTM D6130 0 0 0 0 Molybdenum ppm ASTM D6130 950 492 880 891 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 0 0 Aluminum ppm ASTM D6130 >10 0 <1	Silicon	ppm	ASTM D6130	0	11	31	28
Molybdenum ppm ASTM D6130 950 492 880 891 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 0 0 Aluminum ppm ASTM D6130 >10 0 <1	Phosphorus	ppm	ASTM D6130	0	3	43	9
CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 0 0 Aluminum ppm ASTM D6130 >10 0 <1	Boron	ppm	ASTM D6130	0	0	0	0
Iron ppm ASTM D6130 >15 0 0 0 Aluminum ppm ASTM D6130 >10 0 <1 0 Copper ppm ASTM D6130 >10 <1 <1 <1 Lead ppm ASTM D6130 >10 <1 0 <1 Tin ppm ASTM D6130 >10 <1 0 <1 Zinc ppm ASTM D6130 15 <1 <1 <1 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 19 19 8 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 1625 840 328 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 37 5 2	Molybdenum	ppm	ASTM D6130	950	492	880	891
Aluminum ppm ASTM D6130 >10 0 <1 0 Copper ppm ASTM D6130 >10 <1	CORROSION		method	limit/base	current	history1	history2
Copper ppm ASTM D6130 > 10 <1 <1 <1 Lead ppm ASTM D6130 > 10 <1	Iron	ppm	ASTM D6130	>15	0	0	0
Lead ppm ASTM D6130 >10 <1 0 <1 Tin ppm ASTM D6130 >10 <1	Aluminum	ppm	ASTM D6130	>10	0	<1	0
Tin ppm ASTM D6130 billion >10 control <1 control 0 control <1 control <td>Copper</td> <td>ppm</td> <td>ASTM D6130</td> <td>>10</td> <th><1</th> <td></td> <td><1</td>	Copper	ppm	ASTM D6130	>10	<1		<1
Zinc ppm ASTM D6130 15 <1 <1 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 19 19 8 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 3868 3137 2719 Potassium ppm ASTM D6130 1625 840 328 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 37 5 2	Lead	ppm	ASTM D6130	>10		0	<1
CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 19 19 8 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 3868 3137 2719 Potassium ppm ASTM D6130 1625 840 328 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 37 5 2	Tin	ppm	ASTM D6130	>10	<1	0	<1
Chlorine ppm ASTM D6130 19 19 8 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 3868 3137 2719 Potassium ppm ASTM D6130 1625 840 328 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 37 5 2	Zinc	ppm	ASTM D6130		15	<1	<1
CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 3868 3137 2719 Potassium ppm ASTM D6130 1625 840 328 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 37 5 2	CONTAMINANTS	;	method	limit/base	current	history1	history2
Sodium ppm ASTM D6130 3868 3137 2719 Potassium ppm ASTM D6130 1625 840 328 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 37 5 2	Chlorine	ppm	ASTM D6130		19	19	8
Potassium ppm ASTM D6130 1625 840 328 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 37 5 2	CARRIER SALTS		method	limit/base	current	history1	history2
SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 37 5 2	Sodium	ppm	ASTM D6130		3868	3137	2719
Calcium ppm ASTM D6130 37 5 2	Potassium		ASTM D6130		1625	840	328
	SCALE POTENTI	AL	method	limit/base	current	history1	history2
	Calcium	ppm	ASTM D6130		37	5	2
	Magnesium		ASTM D6130		6	5	3



COOLANT REPORT











Laboratory Sample No. Lab Number Unique Number

: 05994865

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0833824

: 10723225

Received : 31 Oct 2023 Diagnosed

: 03 Nov 2023 Diagnostician : Jonathan Hester

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

* - 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)

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

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Submitted By: JAMES MOORE