

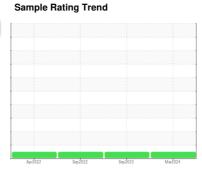
COOLANT REPORT



OKLAHOMA/3 39.63 [OKLAHOMA^3]

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.

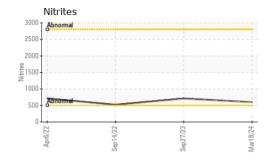
Coolant Condition

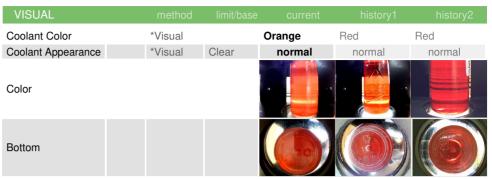
Carboxylate test failed. The pH level of this fluid is within the acceptable limits. Glycol and nitrite levels are acceptable.

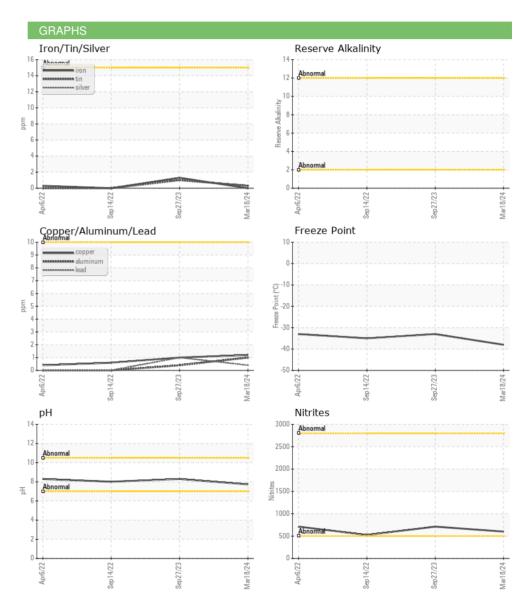
SAMPLE INFORMATION method limit/base current nistory1 nistory2	OOLANT (ELC) (- GAL)	Apr202	2 Sep2022	Sep2023 N	lar2024	
Sample Date	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 5377 4085 1085 Oil Age hrs Client Info 5377 3833 1085 Oil Changed Client Info Not Changd N/A N/A Sample Status NORMAL NORMAL NORMAL NORMAL PHYSICAL TEST RESULTS method limit/base current history1 history2 Glycol Type FT-IR Specific Gravity YaSTM D1288 1.0699 1.067 1.067 1.067 pH Scale 0:14 ASTM D1287 7.73 8.29 8.01 Nitrites ppm AP-053:2009 600 712 524 Reserve Alkalinity Scale 0:20 'ASTM D1121	Sample Number		Client Info		WC0874008	WC0834097	WC0741108
Oil Age hrs Client Info 5377 3833 1085 Oil Changed Client Info Not Changd N/A N/A Sample Status NORMAL NORMAL NORMAL NORMAL PHYSICAL TEST RESULTS method limit/base current history1 history2 Glycol Type FT-IR Specific Gravity 'ASTM D1287 7.73 8.29 8.01 Nitrites ppm AP-053:2009 600 712 524 Reserve Alkalinity Scale 0:20 'ASTM D1281 Percentage Glycol % ASTM D3321 -51.1 49.4 50.0 Freezing Point °F ASTM D3321 -38 -33 -35 Total Dissolved Solids Total Dissolved Solids 397.5 341.0 359.5 Carboxylate Fail fail fail fail history1 history2 Silicon ppm ASTM D6130 0	Sample Date		Client Info		18 Mar 2024	27 Sep 2023	14 Sep 2022
Colimage Colimage	Machine Age	hrs	Client Info		5377	4085	1085
NORMAL NORMAL NORMAL PHYSICAL TEST RESULTS method limit/base current history1 history2	Oil Age	hrs	Client Info		5377	3833	1085
PHYSICAL TEST RESULTS	Oil Changed		Client Info		Not Changd	N/A	N/A
Specific Gravity	Sample Status				NORMAL	NORMAL	NORMAL
Specific Gravity	PHYSICAL TEST R	RESULTS	method	limit/base	current	history1	history2
Ph	Glycol Type		FT-IR				
Nitrites	Specific Gravity		*ASTM D1298		1.069	1.067	1.067
Reserve Alkalinity	рН	Scale 0-14	ASTM D1287		7.73	8.29	8.01
Percentage Glycol % ASTM D3321 51.1 49.4 50.0	Nitrites	ppm	AP-053:2009		600	712	524
Freezing Point	Reserve Alkalinity	Scale 0-20	*ASTM D1121				
Total Dissolved Solids	Percentage Glycol	%	ASTM D3321		51.1	49.4	50.0
Carboxylate fail fail pass CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 0 29 9 91 Phosphorus ppm ASTM D6130 0 6 <1	Freezing Point	°F	ASTM D3321		-38	-33	-35
CORROSION INHIBITORS method limit/base current history1 history2	Total Dissolved Solids				397.5	341.0	359.5
Silicon	Carboxylate				fail	fail	pass
Phosphorus ppm ASTM D6130 0 6 <1	CORROSION INH	IBITORS	method	limit/base	current	history1	history2
Boron	Silicon	ppm	ASTM D6130	0	29	9	91
Molybdenum ppm ASTM D6130 950 671 535 1153 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 1 0 Aluminum ppm ASTM D6130 >10 1 <1	Phosphorus	ppm	ASTM D6130	0	6		26
CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 1 0 Aluminum ppm ASTM D6130 >10 1 <1	Boron	ppm	ASTM D6130	0			
Iron ppm ASTM D6130 >15 0 1 0 Aluminum ppm ASTM D6130 >10 1 <1 0 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 1 0 0 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 30 17 12 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 54 30 97 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 1 2 2	Molybdenum	ppm	ASTM D6130	950	671	535	1153
Aluminum ppm ASTM D6130 >10 1 <1	CORROSION		method	limit/base	current	history1	history2
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 1 0 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 30 17 12 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 4054 3413 2745 Potassium ppm ASTM D6130 54 30 97 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 1 2 2	Iron	ppm	ASTM D6130	>15	0	1	0
Lead ppm ASTM D6130 >10 <1 1 0 Tin ppm ASTM D6130 >10 <1	Aluminum	ppm	ASTM D6130	>10	1	<1	0
Tin ppm ASTM D6130 >10 <1 1 0 Zinc ppm ASTM D6130 0 1 0 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 30 17 12 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 4054 3413 2745 Potassium ppm ASTM D6130 54 30 97 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 1 2 2	Copper	ppm	ASTM D6130	>10	1	1	<1
Zinc ppm ASTM D6130 0 1 0 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 30 17 12 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 4054 3413 2745 Potassium ppm ASTM D6130 54 30 97 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 1 2 2	Lead	ppm	ASTM D6130	>10	<1	1	0
CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 30 17 12 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 4054 3413 2745 Potassium ppm ASTM D6130 54 30 97 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 1 2 2	Tin	ppm	ASTM D6130	>10	<1	1	0
Chlorine ppm ASTM D6130 30 17 12 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 4054 3413 2745 Potassium ppm ASTM D6130 54 30 97 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 1 2 2	Zinc	ppm	ASTM D6130		0	1	0
CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 4054 3413 2745 Potassium ppm ASTM D6130 54 30 97 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 1 2 2	CONTAMINANTS	;	method	limit/base	current	history1	history2
Sodium ppm ASTM D6130 4054 3413 2745 Potassium ppm ASTM D6130 54 30 97 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 1 2 2	Chlorine	ppm	ASTM D6130		30	17	12
Potassium ppm ASTM D6130 54 30 97 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 1 2 2	CARRIER SALTS		method	limit/base	current	history1	history2
SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 1 2 2	Sodium	ppm	ASTM D6130		4054	3413	2745
Calcium ppm ASTM D6130 1 2 2	Potassium	ppm	ASTM D6130		54	30	97
	SCALE POTENTI	AL	method	limit/base	current	history1	history2
Magnesium ppm ASTM D6130 2 <1 2	Calcium	ppm	ASTM D6130		1	2	2
	Magnesium	ppm	ASTM D6130		2	<1	2



COOLANT REPORT











Laboratory Sample No.

Lab Number : 06140446 Unique Number : 10965254

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0874008

Received **Tested** Diagnosed

: 05 Apr 2024 : 10 Apr 2024

: 10 Apr 2024 - Jonathan Hester

SHERWOOD CONSTRUCTION CO INC 3219 WEST MAY ST WICHITA, KS US 67213 Contact: SHAWN SOUTH

shawn.south@sherwood.net

Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP) Certificate 12367 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)

F: x:

Report Id: SHEWIC [WUSCAR] 06140446 (Generated: 04/12/2024 03:39:19) Rev: 1

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