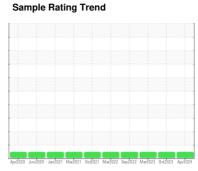


COOLANT REPORT

COLORADO/443/SKIDSTEER 53.140L [COLORADO^443^SKIDSTEER]

Coolant

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





DIAGNOSIS

Recommendation

The fluid is suitable for further service.

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

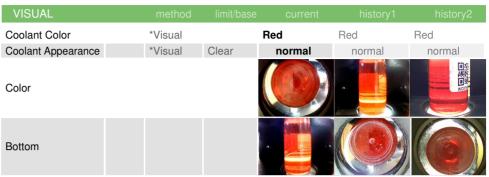
The carboxylate level of this fluid is acceptable. Glycol and nitrite levels are acceptable. The pH level of this fluid is within the acceptable limits.

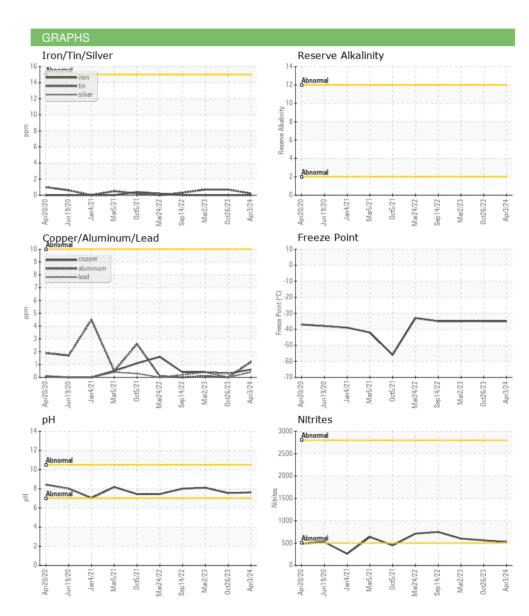
SAMPLE INFORMATION method limit/base current history1 history2	GAL)		Apr2020 Jun2	020 Jan2021 Mar2021 Oct2	021 Mar2022 Sep2022 Mar2023 Oct	2023 Apr2024	
Sample Date	SAMPLE INFORM	//ATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 4439 4169 3862 Oil Age hrs Client Info 4439 4169 3646 Oil Changed Client Info Not Changd	Sample Number		Client Info		WC0883941	WC0859670	WC0766185
Oil Age hrs Client Info 4439 4169 3646 Oil Changed Client Info Not Changd Not Stall Not Stall	Sample Date		Client Info		03 Apr 2024	26 Oct 2023	02 Mar 2023
Oil Changed Sample Status	Machine Age	hrs	Client Info		4439	4169	3862
Sample Status	Oil Age	hrs	Client Info		4439	4169	3646
PHYSICAL TEST RESULTS method limit/base current history1 history2	Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Separation Sep	Sample Status				NORMAL	NORMAL	NORMAL
Specific Gravity	PHYSICAL TEST F	RESULTS	method	limit/base	current	history1	history2
pH Scale 0-14 ASTM D1287 7.63 7.55 8.11 Nitrites ppm AP-053:2009 524 560 600 Reserve Alkalinity Scale 0:20 "ASTM D1121 Percentage Glycol % ASTM D3321 50.9 50.7 50.1 Freezing Point °F ASTM D3321 -35 -	Glycol Type		FT-IR				
Nitrites	Specific Gravity		*ASTM D1298		1.068	1.068	1.068
Reserve Alkalinity	рН	Scale 0-14	ASTM D1287		7.63	7.55	8.11
Percentage Glycol %	Nitrites	ppm	AP-053:2009		524	560	600
Freezing Point °F ASTM D3321 -35 -35 -35 -35 Total Dissolved Solids 331.5 390.0 278.0 Carboxylate pass fail pass CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 0 4 2 19 Phosphorus ppm ASTM D6130 0 <1 0 3 Boron ppm ASTM D6130 0 0 0 0 Molybdenum ppm ASTM D6130 950 669 686 1200 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 <1 Lead	Reserve Alkalinity	Scale 0-20	*ASTM D1121				
Total Dissolved Solids	Percentage Glycol	%	ASTM D3321		50.9	50.7	50.1
Carboxylate pass fail pass CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 0 4 2 19 Phosphorus ppm ASTM D6130 0 <1 0 3 Boron ppm ASTM D6130 0 0 0 0 Molybdenum ppm ASTM D6130 950 669 686 1200 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 Zinc ppm ASTM D6130 0 0 <1 CONTAMINANTS	Freezing Point	°F	ASTM D3321		-35	-35	-35
CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 0 4 2 19 Phosphorus ppm ASTM D6130 0 <1 0 3 Boron ppm ASTM D6130 0 0 0 0 Molybdenum ppm ASTM D6130 950 669 686 1200 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 0 0 Aluminum ppm ASTM D6130 >10 1 0 <1 Copper ppm ASTM D6130 >10 <1 <1 <1 Lead ppm ASTM D6130 >10 <1 <1 <1 Zinc ppm ASTM D6130 0 0 <1 <1 CONTAMINANTS method limit/base current history1 <th>Total Dissolved Solids</th> <th></th> <th></th> <th></th> <th>331.5</th> <th>390.0</th> <th>278.0</th>	Total Dissolved Solids				331.5	390.0	278.0
Silicon ppm ASTM D6130 0 4 2 19 Phosphorus ppm ASTM D6130 0 <1 0 3 Boron ppm ASTM D6130 0 0 0 0 Molybdenum ppm ASTM D6130 950 669 686 1200 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 0 0 Aluminum ppm ASTM D6130 >10 1 0 <1 Copper ppm ASTM D6130 >10 <1 <1 <1 Lead ppm ASTM D6130 >10 <1 <1 <1 Tin ppm ASTM D6130 >10 <1 <1 <1 Zinc ppm ASTM D6130 0 0 <1 <1 CONTAMINANTS method limit/base current history1 h	Carboxylate				pass	fail	pass
Phosphorus ppm ASTM D6130 0 <1	CORROSION INH	IBITORS	method	limit/base	current	history1	history2
Boron ppm ASTM D6130 0 0 0 0 Molybdenum ppm ASTM D6130 950 669 686 1200 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 0 0 Aluminum ppm ASTM D6130 >10 1 0 <1 Copper ppm ASTM D6130 >10 <1 <1 <1 Lead ppm ASTM D6130 >10 <1 <1 <1 <1 Tin ppm ASTM D6130 >10 <1 <1 <1 <1 <1 Zinc ppm ASTM D6130 0 0 0 <1 <1 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 3978 3855 6459 Potassium ppm	Silicon	ppm	ASTM D6130	0	4	2	19
Molybdenum ppm ASTM D6130 950 669 686 1200 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 0 0 Aluminum ppm ASTM D6130 >10 1 0 <1 Copper ppm ASTM D6130 >10 <1 <1 <1 Lead ppm ASTM D6130 >10 <1 <1 <1 Tin ppm ASTM D6130 >10 <1 <1 <1 Zinc ppm ASTM D6130 0 0 <1 <1 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 3978 3855 6459 Potassium ppm ASTM D6130 195 190 261 SCALE POTENTIAL method limit/base current history1 history2 <th>Phosphorus</th> <th>ppm</th> <th>ASTM D6130</th> <th>0</th> <th><1</th> <th>0</th> <th></th>	Phosphorus	ppm	ASTM D6130	0	<1	0	
CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 0 0 Aluminum ppm ASTM D6130 >10 1 0 <1 Copper ppm ASTM D6130 >10 <1 <1 <1 Lead ppm ASTM D6130 >10 <1 <1 <1 Tin ppm ASTM D6130 >10 <1 <1 <1 Zinc ppm ASTM D6130 0 0 <1 <1 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 4 0 21 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 195 190 261 SCALE POTENTIAL method limit/base current history1 history2	Boron	ppm	ASTM D6130	0			0
Iron ppm ASTM D6130 >15 0 0 0 Aluminum ppm ASTM D6130 >10 1 0 <1	Molybdenum	ppm	ASTM D6130	950	669	686	1200
Aluminum ppm ASTM D6130 >10 1 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 <1	Aluminum	ppm	ASTM D6130	>10	1	0	<1
Tin ppm ASTM D6130 >10 <1	Copper	ppm	ASTM D6130	>10	<1	<1	<1
Zinc ppm ASTM D6130 0 0 <1	Lead	ppm	ASTM D6130	>10	<1	0	<1
CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 4 0 21 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 3978 3855 6459 Potassium ppm ASTM D6130 195 190 261 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 0 0 <1	Tin	ppm	ASTM D6130	>10	<1		<1
Chlorine ppm ASTM D6130 4 0 21 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 3978 3855 6459 Potassium ppm ASTM D6130 195 190 261 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 0 0 <1	Zinc	ppm	ASTM D6130		0	0	<1
CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 3978 3855 6459 Potassium ppm ASTM D6130 195 190 261 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 0 0 <1	CONTAMINANTS	;	method	limit/base	current	history1	history2
Sodium ppm ASTM D6130 3978 3855 6459 Potassium ppm ASTM D6130 195 190 261 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 0 0 <1	Chlorine	ppm	ASTM D6130		4	0	21
Potassium ppm ASTM D6130 195 190 261 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 0 0 <1	CARRIER SALTS	;	method	limit/base	current	history1	history2
SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 0 0 <1	Sodium	ppm	ASTM D6130		3978	3855	6459
Calcium ppm ASTM D6130 0 0 <1	Potassium	ppm	ASTM D6130		195	190	261
PP 1 1 1 1 1	SCALE POTENTI	AL	method	limit/base	current	history1	history2
Magnesium ppm ASTM D6130 <1	Calcium	ppm	ASTM D6130		0	0	<1
	Magnesium	ppm	ASTM D6130		<1	<1	<1



COOLANT REPORT











Laboratory Sample No.

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

: WC0883941 Lab Number : 06142672 Unique Number : 10967480

Received **Tested** Diagnosed

: 08 Apr 2024 : 11 Apr 2024

: 11 Apr 2024 - Jonathan Hester

SHERWOOD CONSTRUCTION CO INC 3219 WEST MAY ST WICHITA, KS US 67213

Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP) Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact: DOUG KING doug.king@sherwood.net T: (316)617-3161

* - 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)

Submitted By: BRANDEN JAQUIAS

F: x: