

COOLANT REPORT

Sample Rating Trend

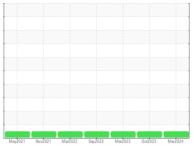




COLORADO/443/EG - LOADER
Machine Id
45.55L [COLORADO^443^EG - LOADER]

Coolant

CAT EXTENDED LIFE COOLANT (ELC) (9 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.

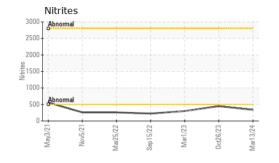
Coolant Condition

Carboxylate test failed. The glycol level is acceptable. The pH level of this fluid is within the acceptable limits.

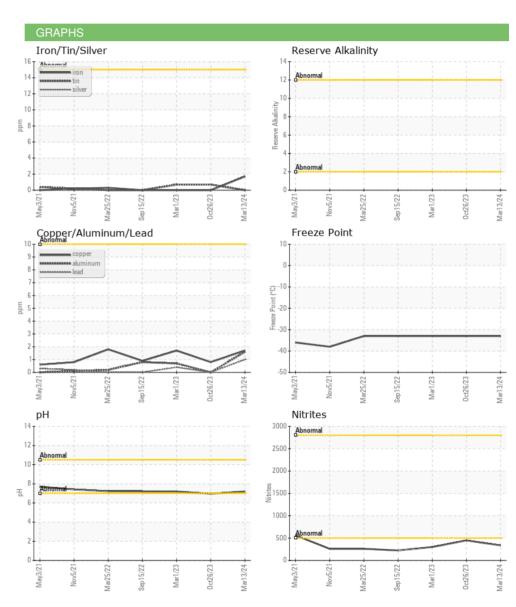
SAMPLE INFORMATION method imil/base current history1 history2	(-/(-	,	May2021	Nov2021 Mar2022	Sep.2022 Mar2023 Oct2023	Mar2024	
Sample Date	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 3682 3370 2672 Oil Changed Client Info 3682 3370 2672 Oil Changed Client Info Not Changd Not Pate Not Pate	Sample Number		Client Info		WC0884008	WC0859675	WC0766237
Oil Age hrs Client Info 3682 3370 2672 Oil Changed Client Info Not Changd Not Changd <td>Sample Date</td> <td></td> <td>Client Info</td> <td></td> <th>13 Mar 2024</th> <td>26 Oct 2023</td> <td>01 Mar 2023</td>	Sample Date		Client Info		13 Mar 2024	26 Oct 2023	01 Mar 2023
Oil Changed Sample Status Client Info Not Changd NORMAL	Machine Age	hrs	Client Info		3682	3370	2672
Sample Status	Oil Age	hrs	Client Info		3682	3370	2672
Sample Status	Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sepacific Gravity					NORMAL	NORMAL	
Specific Gravity	PHYSICAL TEST F	RESULTS	method	limit/base	current	history1	history2
Specific Gravity Scale 0-14 ASTM D1298 1.067 1.067 1.067 1.067 PH Scale 0-14 ASTM D1287 7.20 6.96 7.20 Nitrites ppm AP-053:2009 336 448 300 AP-053:2009 336 448 300 AP-053:2009 336 448 300 AP-053:2009 336 448 300 AP-053:2009 ASTM D1121 AP-05:2009 ASTM D1321 49.8 49.8 49.5 AP-05 AP-053:2009 ASTM D3321 49.8 49.8 49.5 AP-05 AP-05:2009 AP-053:2009 AP-053:	Glycol Type		FT-IR				
pH Scale 0-14 ASTM D1287 7.20 6.96 7.20 Nitrites ppm AP-053:2009 336 448 448 300 Reserve Alkalinity Scale 0-20 *ASTM D1121 Percentage Glycol % ASTM D3321 49.8 49.8 49.5 Freezing Point °F ASTM D3321 -33 -30 -90 -90 -90 -90 -90 -90 -90 -90 -90 -90 -90 <t< td=""><td>* **</td><td></td><td>*ASTM D1298</td><td></td><th>1.067</th><td>1.067</td><td>1.067</td></t<>	* **		*ASTM D1298		1.067	1.067	1.067
Nitrites	•	Scale 0-14	ASTM D1287		7.20	6.96	7.20
Reserve Alkalinity		mag	AP-053:2009		336	448	300
Percentage Glycol %							
Freezing Point °F ASTM D3321 -33 -33 -33 -33 Total Dissolved Solids 293.0 332.0 351.5 Carboxylate fail fail pass CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 0 11 10 45 Phosphorus ppm ASTM D6130 0 8 0 0 Boron ppm ASTM D6130 0 0 0 0 Molybdenum ppm ASTM D6130 950 541 594 1120 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 2 0 0 Aluminum ppm ASTM D6130 >10 2 <1	•				49.8	49.8	49.5
Total Dissolved Solids							
Carboxylate fail fail pass CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 0 11 10 45 Phosphorus ppm ASTM D6130 0 0 0 0 Boron ppm ASTM D6130 0 0 0 0 Molybdenum ppm ASTM D6130 950 541 594 1120 CORROSION method limit/base current history1 history2 Loop ASTM D6130 >15 2 0 0 <1	<u> </u>				293.0	332.0	351.5
CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 0 11 10 45 Phosphorus ppm ASTM D6130 0 8 0 0 Boron ppm ASTM D6130 0 0 0 0 Molybdenum ppm ASTM D6130 950 541 594 1120 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 2 0 0 Aluminum ppm ASTM D6130 >10 2 0 <1							
Silicon ppm ASTM D6130 0 11 10 45 Phosphorus ppm ASTM D6130 0 8 0 0 Boron ppm ASTM D6130 0 0 0 0 Molybdenum ppm ASTM D6130 950 541 594 1120 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 2 0 0 Aluminum ppm ASTM D6130 >10 2 0 <1 Copper ppm ASTM D6130 >10 2 <1 2 Lead ppm ASTM D6130 >10 0 <1 <1 Tin ppm ASTM D6130 >10 0 <1 <1 Zinc ppm ASTM D6130 9 15 8 CONTAMINANTS method limit/base current history1	CORROSION INH	IBITORS	method	limit/base	current	history1	history2
Phosphorus ppm ASTM D6130 0 8 0 0 Boron ppm ASTM D6130 0 0 0 0 Molybdenum ppm ASTM D6130 950 541 594 1120 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 2 0 0 Aluminum ppm ASTM D6130 >10 2 0 <1	Silicon	nnm	ASTM D6130	0	11	10	45
Boron ppm ASTM D6130 0 0 0 0 Molybdenum ppm ASTM D6130 950 541 594 1120 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 2 0 0 Aluminum ppm ASTM D6130 >10 2 0 <1							
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Copper ppm ASTM D6130 > 10 2 <1 2 Lead ppm ASTM D6130 > 10 1 0 <1		• • • • • • • • • • • • • • • • • • • •					
Lead ppm ASTM D6130 >10 1 0 <1 Tin ppm ASTM D6130 >10 0 <1					_	-	
Tin ppm ASTM D6130 >10 0 <1 <1 Zinc ppm ASTM D6130 9 15 8 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 24 0 24 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 3312 3546 5977 Potassium ppm ASTM D6130 560 700 1374 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 2 <1							
Zinc ppm ASTM D6130 9 15 8 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 24 0 24 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 3312 3546 5977 Potassium ppm ASTM D6130 560 700 1374 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 2 <1							
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CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 3312 3546 5977 Potassium ppm ASTM D6130 560 700 1374 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 2 <1				iiiiii/base		·	•
Sodium ppm ASTM D6130 3312 3546 5977 Potassium ppm ASTM D6130 560 700 1374 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 2 <1			ASTM D6130		24	0	24
Potassium ppm ASTM D6130 560 700 1374 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 2 <1	CARRIER SALTS		method	limit/base	current	history1	history2
SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 2 <1 2	Sodium	ppm	ASTM D6130		3312	3546	5977
Calcium ppm ASTM D6130 2 <1	Potassium	ppm	ASTM D6130		560	700	1374
The state of the s	SCALE POTENTI	AL	method	limit/base	current	history1	history2
	Calcium	ppm	ASTM D6130		2	<1	2
	Magnesium		ASTM D6130		0	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			S S S S S S S S S S S S S S S S S S S		
Bottom					





Laboratory Sample No.

Lab Number : 06124482 Unique Number : 10938633

: WC0884008

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 20 Mar 2024 **Tested**

: 25 Mar 2024 Diagnosed

: 25 Mar 2024 - Jonathan Hester Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP)

3219 WEST MAY ST WICHITA, KS Contact: DOUG KING

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. doug.king@sherwood.net T: (316)617-3161 F: x:

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

SHERWOOD CONSTRUCTION CO INC

US 67213