

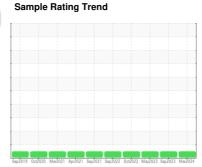
COOLANT REPORT



OKLAHOMA/1151/EG - LOADER 46.87L [OKLAHOMA^1151^EG - LOADER]

Component 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.

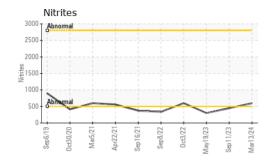
Coolant Condition

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

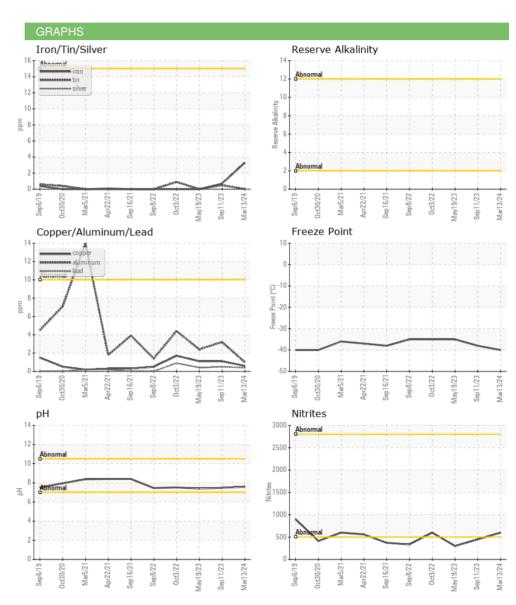
Sample Number Client Info WC0886927 WC0848863 WC0778323 Sample Date Client Info 13 Mar 2024 11 Sep 2023 19 May 2023 Machine Age hrs Client Info 10197 9318 8712 S010 S00 S00	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Date							
Machine Age hrs Client Info 10197 9318 8712 Oil Age hrs Client Info 500 500 500 Oil Changed Client Info Not Changd	·						
Oil Age hrs Client Info 500 500 500 Oil Changed Sample Status Client Info Not Changd NORMAL Not Changd NORMAL Not Changd NORMAL NORMAL <td>•</td> <td>hre</td> <td></td> <td></td> <th></th> <td></td> <td>,</td>	•	hre					,
Oil Changed Client Info Not Changed North Changed No							
NORMAL NORMAL NORMAL PHYSICAL TEST RESULTS method limit/base current history1 history2	•	1115					
PHYSICAL TEST RESULTS method limit/base current history1 history2			Ciletit iiiio			ŭ	J
Separation Sep	·				NONWAL	NORWAL	NONWAL
Specific Gravity	PHYSICAL TEST R	ESULTS	method	limit/base	current	history1	history2
pH Scale 0-14 ASTM D1287 7.59 7.47 7.40 Nitrites ppm AP-053:2009 600 448 300 Reserve Alkalinity Scale 0-20 "ASTM D1121 Percentage Glycol % ASTM D3321 52.0 51.3 50.9 Freezing Point "F ASTM D3321 -40 -38 -35 Total Dissolved Solids 316.0 376.0 357.5 5 Carboxylate fail fail pass CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 0 -20 42 42 Phosphorus ppm ASTM D6130 0 -1 0 2 Boron ppm ASTM D6130 0 -1 0 2 Boron ppm ASTM D6130 950 629 1023 1050 CORROSION method limit/base curr	Glycol Type		FT-IR				
Nitrites	Specific Gravity		*ASTM D1298		1.070	1.069	1.068
Reserve Alkalinity	рН	Scale 0-14	ASTM D1287		7.59	7.47	7.40
Percentage Glycol %	Nitrites	ppm	AP-053:2009		600	448	300
Freezing Point °F ASTM D3321 -40 -38 -35 Total Dissolved Solids 316.0 376.0 357.5 Carboxylate fail fail pass CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 0 20 42 42 Phosphorus ppm ASTM D6130 0 <1	Reserve Alkalinity	Scale 0-20	*ASTM D1121				
Total Dissolved Solids	Percentage Glycol	%	ASTM D3321		52.0	51.3	50.9
Carboxylate fail fail pass CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 0 20 42 42 Phosphorus ppm ASTM D6130 0 <1	Freezing Point	°F	ASTM D3321		-40	-38	-35
CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 0 20 42 42 Phosphorus ppm ASTM D6130 0 <1	Total Dissolved Solids				316.0	376.0	357.5
Silicon	Carboxylate				fail	fail	pass
Phosphorus ppm ASTM D6130 0 <1 0 2 Boron ppm ASTM D6130 0 0 8 3 Molybdenum ppm ASTM D6130 950 629 1023 1050 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 3 <1	CORROSION INH	IBITORS	method	limit/base	current	history1	history2
Boron ppm ASTM D6130 0 0 8 3 Molybdenum ppm ASTM D6130 950 629 1023 1050 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 3 <1 0 Aluminum ppm ASTM D6130 >10 1 3 2 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 <1 <1 <1 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 3906 5937 5481 Potassium ppm ASTM D6130 104 180 207	Silicon	ppm	ASTM D6130	0	20	42	42
Molybdenum ppm ASTM D6130 950 629 1023 1050 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 3 <1	Phosphorus	ppm	ASTM D6130	0	<1	0	2
CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 3 <1	Boron	ppm	ASTM D6130	0	0	8	3
Iron ppm ASTM D6130 >15 3 <1 0 Aluminum ppm ASTM D6130 >10 1 3 2 Copper ppm ASTM D6130 >10 <1 1 1 Lead ppm ASTM D6130 >10 <1 <1 <1 Tin ppm ASTM D6130 >10 0 <1 0 Zinc ppm ASTM D6130 0 <1 <1 <1 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 10 20 9 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 3906 5937 5481 Potassium ppm ASTM D6130 104 180 207 SCALE POTENTIAL method limit/base current history1 history2	Molybdenum	ppm	ASTM D6130	950	629	1023	1050
Aluminum ppm ASTM D6130 >10 1 3 2 Copper ppm ASTM D6130 >10 <1	CORROSION		method	limit/base	current	history1	history2
Copper ppm ASTM D6130 bigs >10 classed <1 classed 1 classed 2 classed <t< td=""><td>Iron</td><td>ppm</td><td>ASTM D6130</td><td>>15</td><th>3</th><td><1</td><td>0</td></t<>	Iron	ppm	ASTM D6130	>15	3	<1	0
Lead ppm ASTM D6130 >10 <1 <1 <1 Tin ppm ASTM D6130 >10 0 <1	Aluminum	ppm	ASTM D6130	>10	1	3	2
Tin ppm ASTM D6130 bitsold >10 bitsold 0 classing <1 bitsold 0 classing <1 bitsold 0 classing <1 bitsold <1 bitsold </td <td>Copper</td> <td>ppm</td> <td>ASTM D6130</td> <td>>10</td> <th><1</th> <td>1</td> <td>1</td>	Copper	ppm	ASTM D6130	>10	<1	1	1
Zinc ppm ASTM D6130 0 <1 <1 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 10 20 9 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 3906 5937 5481 Potassium ppm ASTM D6130 104 180 207 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 2 5 4	Lead	ppm	ASTM D6130	>10	<1	<1	<1
CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 10 20 9 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 3906 5937 5481 Potassium ppm ASTM D6130 104 180 207 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 2 5 4	Tin	ppm	ASTM D6130	>10	0	<1	0
Chlorine ppm ASTM D6130 10 20 9 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 3906 5937 5481 Potassium ppm ASTM D6130 104 180 207 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 2 5 4	Zinc	ppm	ASTM D6130		0	<1	<1
CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 3906 5937 5481 Potassium ppm ASTM D6130 104 180 207 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 2 5 4	CONTAMINANTS		method	limit/base	current	history1	history2
Sodium ppm ASTM D6130 3906 5937 5481 Potassium ppm ASTM D6130 104 180 207 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 2 5 4	Chlorine	ppm	ASTM D6130		10	20	9
Potassium ppm ASTM D6130 104 180 207 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 2 5 4	CARRIER SALTS		method	limit/base	current	history1	history2
Potassium ppm ASTM D6130 104 180 207 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 2 5 4	Sodium	ppm	ASTM D6130		3906	5937	5481
Calcium ppm ASTM D6130 2 5 4	Potassium		ASTM D6130			180	207
	SCALE POTENTI	AL	method	limit/base	current	history1	history2
Magnesium ppm ASTM D6130 1 3 3	Calcium	ppm	ASTM D6130		2	5	4
	Magnesium	ppm	ASTM D6130		1	3	3



COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual		Red	Red	Orange
Coolant Appearance	*Visual	Clear	normal	normal	normal
Color					
Bottom					







Laboratory Sample No.

: WC0886927 Lab Number : 06121322

Unique Number : 10930155

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 18 Mar 2024 **Tested** : 20 Mar 2024

Diagnosed : 20 Mar 2024 - Jonathan Hester Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP)

SHERWOOD CONSTRUCTION CO INC 3219 WEST MAY ST

WICHITA, KS US 67213 Contact: DOUG KING

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

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)

F: x: