

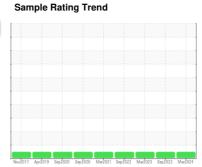
COOLANT REPORT



OKLAHOMA/102/EG - DOZER 38.83 [OKLAHOMA^102^EG - DOZER]

Coolant

EXTENDED LIFE COOLANT (--- 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.

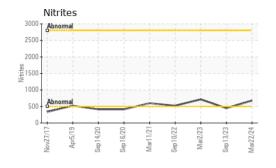
Coolant Condition

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

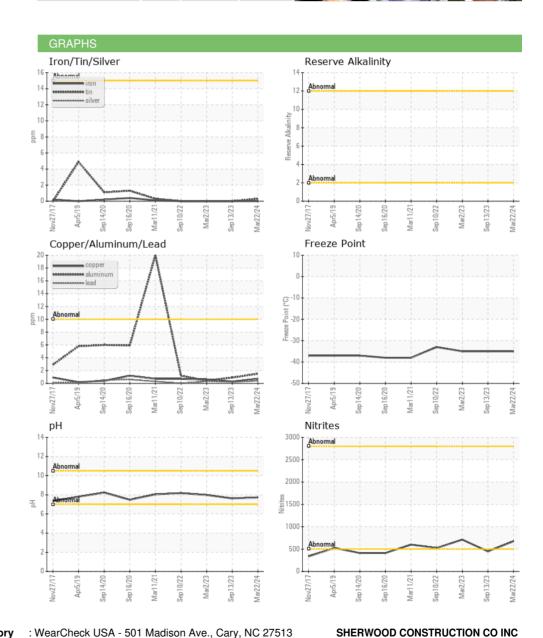
SAMPLE INFORMATION method limit/base current history1 history2	LANT (GAL)		Nov2U17 Ap	r2019 Sep2020 Sep2020	Mar2021 Sep2022 Mar2023 Sep20	Z3 Mar/2024	
Sample Date	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 9501 9145 8217 Oil Age hrs Client Info 9501 9145 8217 Oil Changed Client Info Not Changd N/A N/A Sample Status Image: Client Info NoRMAL NORMAL NORMAL PHYSICAL TEST RESULTS method Imit/base current history1 history2 Glycol Type FT-IR	Sample Number		Client Info		WC0883981	WC0819852	WC0746837
Oil Age hrs Client Info 9501 9145 8217 Oil Changed Client Info Not Changd N/A N/A Sample Status NORMAL NORMAL NORMAL NORMAL PHYSICAL TEST RESULTS method Imitity	Sample Date		Client Info		22 Mar 2024	13 Sep 2023	02 Mar 2023
Oil Changed Sample Status Client Info Not Changd NORMAL N/A N/A PHYSICAL TEST RESULTS method limit/base current history1 history2 Glycol Type FT-IR Specific Gravity 'ASTM D1287 7.72 7.62 7.98 Nitrites ppm AP-0532009 676 448 712 Reserve Alkalinity Scale 0-14 ASTM D1121 Percentage Glycol % ASTM D3321 50.9 50.6 50.0 Freezing Point °F ASTM D3321 -35 -35 -35 Total Dissolved Solids Taill faill faill pass CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 6 17 19 Phosphorus ppm ASTM D6130 0 0 0 Boron ppm ASTM D6130	Machine Age	hrs	Client Info		9501	9145	8217
Sample Status	Oil Age	hrs	Client Info		9501	9145	8217
PHYSICAL TEST RESULTS method limit/base current history1 history2	Oil Changed		Client Info		Not Changd	N/A	N/A
Silicon Sili	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		1.068	1.068	1.067
Reserve Alkalinity Scale 0:20	pН	Scale 0-14	ASTM D1287		7.72	7.62	7.98
Percentage Glycol % ASTM D3321 50.9 50.6 50.0	Nitrites	ppm	AP-053:2009		676	448	712
Freezing Point °F ASTM D3321 -35 -35 -35 349.5 Total Dissolved Solids 326.5 319.5 349.5 Carboxylate fail fail pass CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 6 17 19 Phosphorus ppm ASTM D6130 0 0 0 Boron ppm ASTM D6130 0 0 0 Boron ppm ASTM D6130 0 0 0 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 0 0 0	Reserve Alkalinity	Scale 0-20	*ASTM D1121				
Total Dissolved Solids	Percentage Glycol	%	ASTM D3321		50.9	50.6	50.0
Carboxylate fail fail pass CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 6 17 19 Phosphorus ppm ASTM D6130 0 0 0 Boron ppm ASTM D6130 0 0 0 Molybdenum ppm ASTM D6130 -1 683 1199 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 0 0 CONTAMINANTS method	Freezing Point	°F	ASTM D3321		-35	-35	-35
CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 6 17 19 Phosphorus ppm ASTM D6130 0 0 0 Boron ppm ASTM D6130 0 0 0 Molybdenum ppm ASTM D6130 683 1199 1200 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 0 0 Aluminum ppm ASTM D6130 >10 2 <1 <1 Copper ppm ASTM D6130 >10 <1 <1 <1 Lead ppm ASTM D6130 >10 <1 <1 <1 Zinc ppm ASTM D6130 0 0 0 0 CONTAMINANTS method limit/base current history1 history2 Sodium	Total Dissolved Solids				326.5	319.5	349.5
Silicon ppm ASTM D6130 6 17 19 Phosphorus ppm ASTM D6130 0 0 0 Boron ppm ASTM D6130 0 0 0 Molybdenum ppm ASTM D6130 683 1199 1200 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 0 0 Aluminum ppm ASTM D6130 >10 2 <1 <1 Copper ppm ASTM D6130 >10 <1 <1 <1 Lead ppm ASTM D6130 >10 <1 <1 <1 Tin ppm ASTM D6130 >10 <1 0 0 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 4061 6139 6143 Potassium ppm	Carboxylate				fail	fail	pass
Phosphorus ppm ASTM D6130 0 0 0 Boron ppm ASTM D6130 0 0 0 Molybdenum ppm ASTM D6130 683 1199 1200 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 0 0 Aluminum ppm ASTM D6130 >10 2 <1 <1 Copper ppm ASTM D6130 >10 <1 <1 <1 Lead ppm ASTM D6130 >10 <1 <1 <1 Tin ppm ASTM D6130 >10 <1 0 0 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 18 91 25 CARRIER SALTS method limit/base current history1 history2 Sodium <th>CORROSION INH</th> <th>IBITORS</th> <th>method</th> <th>limit/base</th> <th>current</th> <th>history1</th> <th>history2</th>	CORROSION INH	IBITORS	method	limit/base	current	history1	history2
Boron ppm ASTM D6130 0 0 0 Molybdenum ppm ASTM D6130 683 1199 1200 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 0 0 Aluminum ppm ASTM D6130 >10 2 <1 <1 Copper ppm ASTM D6130 >10 <1 <1 <1 Lead ppm ASTM D6130 >10 <1 <1 <1 Tin ppm ASTM D6130 >10 <1 0 0 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 18 91 25 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 25 3 4	Silicon	ppm	ASTM D6130		6	17	19
Molybdenum ppm ASTM D6130 683 1199 1200 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 0 0 Aluminum ppm ASTM D6130 >10 2 <1 <1 Copper ppm ASTM D6130 >10 <1 <1 <1 Lead ppm ASTM D6130 >10 <1 <1 <1 Tin ppm ASTM D6130 >10 <1 0 0 Zinc ppm ASTM D6130 0 0 0 0 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 4061 6139 6143 Potassium ppm ASTM D6130 25 3 4 SCALE POTENTIAL method limit/base current history1 history2	Phosphorus	ppm	ASTM D6130		0	0	0
CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 0 0 Aluminum ppm ASTM D6130 >10 2 <1 <1 Copper ppm ASTM D6130 >10 <1 <1 <1 Lead ppm ASTM D6130 >10 <1 <1 <1 Tin ppm ASTM D6130 >10 <1 0 0 Zinc ppm ASTM D6130 0 0 0 0 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 18 91 25 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 25 3 4 SCALE POTENTIAL method limit/base current history1 history2 <tr< th=""><th>Boron</th><th>ppm</th><th>ASTM D6130</th><th></th><th>0</th><th>0</th><th>0</th></tr<>	Boron	ppm	ASTM D6130		0	0	0
Iron ppm ASTM D6130 >15 0 0 0 Aluminum ppm ASTM D6130 >10 2 <1	Molybdenum	ppm	ASTM D6130		683	1199	1200
Aluminum ppm ASTM D6130 >10 2 <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	2	<1	<1
Tin ppm ASTM D6130 >10 <1	Copper	ppm	ASTM D6130	>10	<1	<1	<1
Zinc ppm ASTM D6130 0 0 0 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 18 91 25 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 4061 6139 6143 Potassium ppm ASTM D6130 25 3 4 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 1 4 2	Lead	ppm	ASTM D6130	>10	<1	<1	<1
CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 18 91 25 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 4061 6139 6143 Potassium ppm ASTM D6130 25 3 4 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 1 4 2	Tin	ppm	ASTM D6130	>10	<1	0	0
Chlorine ppm ASTM D6130 18 91 25 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 4061 6139 6143 Potassium ppm ASTM D6130 25 3 4 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 1 4 2	Zinc	ppm	ASTM D6130		0	0	0
CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 4061 6139 6143 Potassium ppm ASTM D6130 25 3 4 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 1 4 2	CONTAMINANTS	;	method	limit/base	current	history1	history2
Sodium ppm ASTM D6130 4061 6139 6143 Potassium ppm ASTM D6130 25 3 4 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 1 4 2	Chlorine	ppm	ASTM D6130		18	91	25
Potassium ppm ASTM D6130 25 3 4 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 1 4 2	CARRIER SALTS		method	limit/base	current	history1	history2
SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 1 4 2	Sodium	ppm	ASTM D6130		4061	6139	6143
Calcium ppm ASTM D6130 1 4 2	Potassium	ppm	ASTM D6130		25	3	4
The state of the s	SCALE POTENTI	AL	method	limit/base	current	history1	history2
Magnesium ppm ASTM D6130 1 2 <1	Calcium	ppm	ASTM D6130		1	4	2
	Magnesium	ppm	ASTM D6130		1	2	<1



COOLANT REPORT



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







Certificate 12367

Laboratory Sample No.

: WC0883981 Lab Number : 06142686

Unique Number : 10967494

Received **Tested** Diagnosed

: 08 Apr 2024 : 11 Apr 2024

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

3219 WEST MAY ST WICHITA, KS US 67213 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) Report Id: SHEWIC [WUSCAR] 06142686 (Generated: 04/12/2024 11:57:09) Rev: 1

Submitted By: BRANDEN JAQUIAS