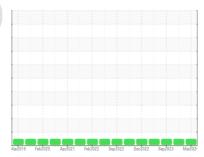


COOLANT REPORT



OKLAHOMA/3/EG - TRUCK-OFF-HWY-HEAVY HAUL 69.10 [OKLAHOMA^3^EG - TRUCK-OFF-HWY-HEAVY HAUL] Coolant

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



Sample Rating Trend



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.

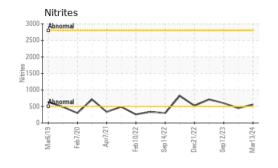
Coolant Condition

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

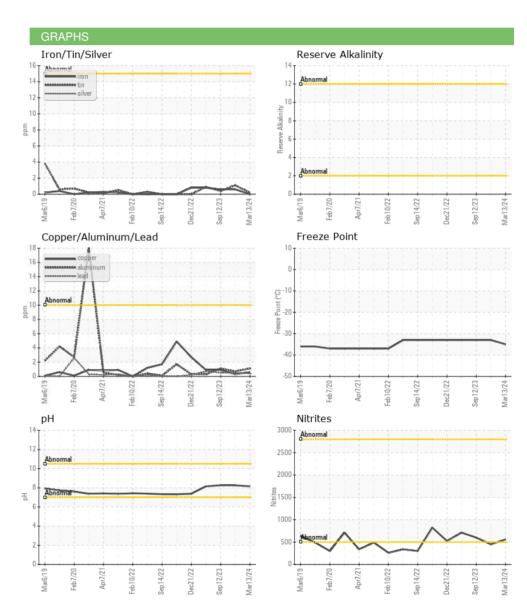
SAMPLE INFORMATION method limit/base current history1 history2	OOLANI (ELC) (- GAL)	Vlar2U19 Feb	2020 Apr2021 Feb202	Z SepZUZZ DecZUZZ SepZU	Z3 MarZUZ ⁴	
Sample Date Client Info 13 Mar 2024 29 Sep 2023 12 Sep 2023 Machine Age hrs Client Info 11043 10085 10085 Oil Age hrs Client Info 11043 10085 10085 Oil Changed hrs Client Info Not Changd N/A N/A Sample Status NorMAL NORMAL NORMAL NORMAL NORMAL PHYSICAL TEST RESULTS method limit/base current history1 history2 Glycol Type FT-IR Specific Gravity "ASTM D1287" 8.15 8.26 8.27 Nitrites ppm AP-053-2009 560 448 600 PH Scale P41 "ASTM D1287" 8.15 8.26 8.27 Nitrites ppm ASTM D3321 -30 49.1 49.4 Freezing Point "F ASTM D3321 50.0 49.1 49.4 Freezing Point	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 11043 10085 10085 Oil Age hrs Client Info 11043 8996 8996 Oil Changed Client Info Not Changd N/A N/A Sample Status NORMAL NORMAL NORMAL PHYSICAL TEST RESULTS method limit/base current history1 history2 Glycol Type FT-IR Specific Gravity "ASTM D1287 8.15 8.26 8.27 Nitrites ppm AP-653:2009 560 448 600 Reserve Alkalinity Scale 0:20 "ASTM D1121 Percentage Glycol ASTM D3321 -35 -33 -33 -33 Treazing Point "F ASTM D3321 -35 -33 -33 Total Dissolved Solids 377.0 347.0 330.0 377.0 347.0 330.0 Garboxylate fail fail fail<	Sample Number		Client Info		WC0914579	WC0857352	WC0848957
Oil Age hrs Client Info 11043 8996 8996 Oil Changed Client Info Not Changd N/A N/A Sample Status NORMAL NORMAL NORMAL PHYSICAL TEST RESULTS method Imit/base current history1 history2 Glycol Type FT-IR Specific Gravity 'ASTM D1287 8.15 8.26 8.27 Nitrites ppm AP-053:2009 560 448 600 Reserve Alkalinity Scale 040 'ASTM D1121 Percentage Glycol % ASTM D3321 -35 -33 -33 -33 Treezing Point °F ASTM D3321 -35 -33 -33 -33 Total Dissolved Solids Total Dissolved Solids Tail fail fail fail fail fail fail fail CORROSION INHIBITORS method limit/base current history1<	Sample Date		Client Info		13 Mar 2024	29 Sep 2023	12 Sep 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 D1298 1.067 1.066 1.067 PH Scale 0-14 ASTM D1287 8.15 8.26 8.27 Nitrites ppm AP-053:2009 560 448 600 Reserve Alkalinity Scale 0-20 *ASTM D1121 Percentage Glycol % ASTM D3321 -35 -33 -33 -33 Total Dissolved Solids Total Dissolved Solids 377.0 347.0 330.0 Garboxylate fail	Machine Age	hrs	Client Info		11043	10085	10085
Sample Status	Oil Age	hrs	Client Info		11043	8996	8996
PHYSICAL TEST RESULTS method limit/base current history1 history2	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 Scale 0-14 ASTM D1287 8.15 8.26 8.27 Nitrites ppm AP-053:2009 560 448 600 Reserve Alkalinity Scale 0-20 "ASTM D1121 Percentage Glycol % ASTM D3321 50.0 49.1 49.4 Freezing Point °F ASTM D3321 -35 -33 -33 -33 Total Dissolved Solids Carboxylate ASTM D6130 377.0 347.0 330.0 Gail fail f	Glycol Type		FT-IR				
Nitrites ppm AP-053:2009 560 448 600 Reserve Alkalinity Scale 0:20 *ASTM D1121 Percentage Glycol % ASTM D3321 50.0 49.1 49.4 Freezing Point °F ASTM D3321 -35 -33 -33 Total Dissolved Solids 377.0 347.0 330.0 Carboxylate fail fail fail CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 0 0 5 <1 23 Phosphorus ppm ASTM D6130 0 0 0 1 0 Boron ppm ASTM D6130 0 0 0 10 1 Molybdenum ppm ASTM D6130 0 0 0 0 10 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 <1 <1 <1 Aluminum ppm ASTM D6130 >10	Specific Gravity		*ASTM D1298		1.067	1.066	1.067
Reserve Alkalinity	рН	Scale 0-14	ASTM D1287		8.15	8.26	8.27
Percentage Glycol % ASTM D3321 50.0 49.1 49.4	Nitrites	ppm	AP-053:2009		560	448	600
Freezing Point °F ASTM D3321 -35 -33 -33 Total Dissolved Solids 377.0 347.0 330.0 Carboxylate fail fail fail CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 0 5 <1 23 Phosphorus ppm ASTM D6130 0 0 1 0 Boron ppm ASTM D6130 0 0 0 10 Molybenum ppm ASTM D6130 950 667 800 1019 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 <1 <1 Aluminum ppm ASTM D6130 >10 <1 <1 <1 Copper ppm ASTM D6130 >10 <1 <1 <1 Lead	Reserve Alkalinity	Scale 0-20	*ASTM D1121				
Total Dissolved Solids	Percentage Glycol	%	ASTM D3321		50.0	49.1	49.4
Carboxylate fail fail fail fail CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 0 5 <1 23 Phosphorus ppm ASTM D6130 0 0 1 0 Boron ppm ASTM D6130 0 0 0 10 Molybdenum ppm ASTM D6130 950 667 800 1019 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 <1 <1 Aluminum ppm ASTM D6130 >10 <1 <1 <1 Aluminum ppm ASTM D6130 >10 <1 <1 <1 Copper ppm ASTM D6130 >10 <1 <1 <1 Lead ppm ASTM D6130 >10 <1 1 <1	Freezing Point	°F	ASTM D3321		-35	-33	-33
CORROSION INHIBITORS method limit/base current history1 history2	Total Dissolved Solids				377.0	347.0	330.0
Silicon ppm ASTM D6130 0 5 <1	Carboxylate				fail	fail	fail
Phosphorus ppm ASTM D6130 0 0 1 0 Boron ppm ASTM D6130 0 0 0 10 Molybdenum ppm ASTM D6130 950 667 800 1019 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 <1 <1 Aluminum ppm ASTM D6130 >10 1 <1 <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 4152 4492 5597<	CORROSION INH	IBITORS	method	limit/base	current	history1	history2
Boron ppm ASTM D6130 0 0 0 10 Molybdenum ppm ASTM D6130 950 667 800 1019 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 <1 <1 Aluminum ppm ASTM D6130 >10 1 <1 <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 4152 4492 5597 Potassium ppm ASTM D6130 36 32 63	Silicon	ppm	ASTM D6130	0	5	<1	23
Molybdenum ppm ASTM D6130 950 667 800 1019 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 <1 <1 Aluminum ppm ASTM D6130 >10 1 <1 <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 4152 4492 5597 Sodium ppm ASTM D6130 36 32 63 SCALE POTENTIAL method limit/base current history1 histo	Phosphorus	ppm	ASTM D6130	0	0	1	0
CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 <1 <1 Aluminum ppm ASTM D6130 >10 1 <1 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 16 9 15 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 36 32 63 SCALE POTENTIAL method limit/base current history1 history2	Boron	ppm	ASTM D6130	0	0	0	10
Iron ppm ASTM D6130 >15 0 <1	Molybdenum	ppm	ASTM D6130	950	667	800	1019
Aluminum ppm ASTM D6130 >10 1 <1	CORROSION		method	limit/base	current	history1	history2
Copper ppm ASTM D6130 >10 <1	Iron	ppm	ASTM D6130	>15	0	<1	<1
Lead ppm ASTM D6130 >10 <1	Aluminum	ppm	ASTM D6130	>10	1	<1	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	<1	<1
CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 16 9 15 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 4152 4492 5597 Potassium ppm ASTM D6130 36 32 63 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 2 <1 4	Tin	ppm	ASTM D6130	>10	<1	1	<1
Chlorine ppm ASTM D6130 16 9 15 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 4152 4492 5597 Potassium ppm ASTM D6130 36 32 63 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 2 <1 4	Zinc	ppm	ASTM D6130		0	0	<1
CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 4152 4492 5597 Potassium ppm ASTM D6130 36 32 63 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 2 <1 4	CONTAMINANTS		method	limit/base	current	history1	history2
Sodium ppm ASTM D6130 4152 4492 5597 Potassium ppm ASTM D6130 36 32 63 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 2 <1	Chlorine	ppm	ASTM D6130		16	9	15
Potassium ppm ASTM D6130 36 32 63 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 2 <1 4	CARRIER SALTS		method	limit/base	current	history1	history2
SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 2 <1 4	Sodium	ppm	ASTM D6130		4152	4492	5597
Calcium ppm ASTM D6130 2 <1	Potassium	ppm	ASTM D6130		36	32	63
	SCALE POTENTI	AL	method	limit/base	current	history1	history2
Magnesium ppm ASTM D6130 2 <1 2	Calcium	ppm	ASTM D6130		2	<1	4
	Magnesium	ppm	ASTM D6130		2	<1	2



COOLANT REPORT



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







Certificate 12367

Laboratory Sample No.

: WC0914579 Lab Number : 06140447 Unique Number : 10965255

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

: 05 Apr 2024 : 10 Apr 2024 Diagnosed

: 10 Apr 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

doug.king@sherwood.net

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.

T: (316)617-3161

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Report Id: SHEWIC [WUSCAR] 06140447 (Generated: 04/10/2024 12:49:56) Rev: 1

Submitted By: GARRETT ADAMS

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