COOLANT REPORT

Sample Rating Trend



Machine Id 68.23 [OKLAHOMA^109^EG - PAVING EQUIPMENT] Component Coolant Fluid

OKLAHOMA/109/EG - PAVING EQUIPMENT

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

n is recommended at this time. Sample Date Client Info 14 Sep 2023 07 Oct 2022 13 Sep 2021 Machine Age hrs Client Info 4700 4268 3643 e normal indicating no corrosion Oil Age hrs Client Info 4700 4268 3643 oil Age hrs Client Info 4700 4268 3643 300 853 oil Age hrs Client Info Not Changd Statory Stator		SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
e for further service. Machine Age hrs Client Info 4700 4268 3643 Oil Age hrs Client Info 1000 3100 853 310 or normal indicating no corrosion Oil Changed Client Info Not Changd Astation Station Station <th>n</th> <th>Sample Number</th> <td></td> <td>Client Info</td> <td></td> <td>WC0848918</td> <td>WC0726162</td> <td>WC0598650</td>	n	Sample Number		Client Info		WC0848918	WC0726162	WC0598650
Machine Age Ins Client Info If Vol 42.00 305-3 OI Age Ins Client Info 1000 3100 853 OI Changed Client Info Not Changd Not Changd Not Changd Not Changd sample Status Imit Mode Imit Mode Imit Mode Not Changd Not Changd iten of any contamination in the alled. The glycol level is PHYSICAL TEST RESULTS Molt D1287 8.23 8.15 8.12 4.8 Performation Contamination in the alled. The glycol level is Nitrites ppm APM 053200 448 336 4.48 Reserve Alkalinity Scate020 ASIM D1287 8.23 8.15 8.12 4.8 Freezing Point *F ASIM D0321 51.8 4.92.0 4.8 336 -33 7.31	on is recommended at this time. le for further service.	Sample Date		Client Info		14 Sep 2023	07 Oct 2022	13 Sep 2021
e normal indicating no corrosion m. Oil Changed Sample Status Client Info Not Change No		Machine Age	hrs	Client Info		4700	4268	3643
em. Sample Status NORMAL NORMAL NORMAL NORMAL tion of any contamination in the nalid. PHYSICAL TEST RESULTS mather test test test test test test test te		Oil Age	hrs	Client Info		1000	3100	853
Sample Status Normatic Normatic Normatic Normatic tion of any contamination in the alled. The glycol level is H level of this fluid is within the PHYSICAL TEST RESULTS mathod Imil/base current history2 Specific Gravity 'ASTM D1287 8.23 8.15 8.12 Nitrites ppm AP-0532009 448 336 448 Reserve Alkalinity Sae000 'XSTM D121 Per centage Glycol % ASTM D3321 51.8 49.2 48 Freezing Point "F ASTM D6130 69 268 138 Total Dissolved Solids 482.0 406.0 429.0 Carboxylate fail pass pass Solidon ppm ASTM D6130 69 268 138 Boron ppm ASTM D6130 0 163 420 974 Molybdenum ppm ASTM D6130 15 1 0 1 CORROSION ppm </td <td rowspan="2">e normal indicating no corrosion tem.</td> <th>Oil Changed</th> <td></td> <td>Client Info</td> <td></td> <td>Not Changd</td> <td>Not Changd</td> <td>Not Changd</td>	e normal indicating no corrosion tem.	Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
in all of all y containination in the specific Gravity 'ASTM D128 1.069 1.067 pH State 014 ASTM D1287 8.23 8.15 8.12 Nitrites pm AP-0532009 448 336 448 Beserve Alkalinity State 020 'ASTM D1287 Percentage Glopol ASTM D3321 5.18 49.2 488		Sample Status				NORMAL	NORMAL	NORMAL
Nome aliade. The glycol level is H level of this fluid is within theSpecific Gravity PHYASTM D12871.0691.067 .Nitrites Reserve AlkalinitySca@04ASTM D12876.3.236.156.12Nitrites Percentage Glycol%ASTM D33216.3.3Percentage Glycol%ASTM D3321Percentage Glycol%ASTM D3321	tion of any contamination in the	PHYSICAL TEST F	RESULTS	method	limit/base	current	history1	history2
Alled. The glycol level is H level of this fluid is within the Nitrites ppm AP-053:2009 448 336 448 Reserve Alkalinity Scale 0.20 'ASTM D1121 Percentage Glycol % ASTM D3321 51.8 49.2 48 Total Dissolved Solids ASTM D3321 51.8 49.2 48 Carboxylate Imit base 462.0 406.0 429.0 Carboxylate Imit base current history1 history2 Silicon ppm ASTM D6130 0 81 115 160 Phosphorus ppm ASTM D6130 0 69 268 133 Boron ppm ASTM D6130 0 69 268 133 Molybdenum ppm ASTM D6130 0 63 927 549 CORROSION method imit/base current history1 history2 Iron ppm ASTM D6130 >10 <1		Specific Gravity		*ASTM D1298		1.069	1.067	
Hevel of this fluid is within the Reserve Alkalinity Sade 020 'ASTM D1121 Percentage Gilycol % ASTM D3321 51.8 49.2 48 Freezing Point °F ASTM D3321 51.8 49.2 48 Freezing Point °F ASTM D3321 -33 -33 -33 Total Dissolved Solids 482.0 406.0 429.0 Carboxylate Imit/base current historyl historyl Silicon ppm ASTM D6130 0 69 268 138 Boron ppm ASTM D6130 0 69 268 138 Boron ppm ASTM D6130 0 69 268 138 Molybdenum ppm ASTM D6130 163 420 974 Molybdenum ppm ASTM D6130 >10 1 1 1 Iron ppm ASTM D6130 >10 <1	on	рН	Scale 0-14	ASTM D1287		8.23	8.15	8.12
Percentage Glycol%ASTM D32151.849.248Freezing Point°FASTM D321-38-33-33Total Dissolved Solids482.0406.0429.0CarboxylateImit/basefailpasspassCORROSION INHIBITORSmethodlimit/basecurrenthistory1SiliconppmASTM D6130081115160PhosphorusppmASTM D6130069268138BoronppmASTM D61300163420974MolybdenumppmASTM D6130550590927549CORROSIONmethodlimit/basecurrenthistory1history2IronppmASTM D6130>15<1	ailed. The glycol level is H level of this fluid is within the	Nitrites	ppm	AP-053:2009		448	336	448
Freezing Point °F ASTM D3321 -38 -33 -33 Total Dissolved Solids 482.0 406.0 429.0 Carboxylate Image: Solids 1ail pass pass CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 0 81 115 160 Phosphorus ppm ASTM D6130 0 69 268 138 Boron ppm ASTM D6130 0 163 420 974 Molybdenum ppm ASTM D6130 950 590 927 549 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130<>15 <1		Reserve Alkalinity	Scale 0-20	*ASTM D1121				
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CarboxylatefailpasspassCORROSION INHIBITORSmethodlimit/basecurrenthistory1history2SiliconppmASTM D6130081115160PhosphorusppmASTM D6130069268138BoronppmASTM D61300163420974MolybdenumppmASTM D6130950590927549CORROSIONmethodlimit/basecurrenthistory1history2IronppmASTM D6130>15<1		Freezing Point	°F	ASTM D3321		-38	-33	-33
CORROSION INHIBITORSmethodlimit/basecurrenthistory1history2SiliconppmASTM D6130081115160PhosphorusppmASTM D6130069268138BoronppmASTM D61300163420974MolybdenumppmASTM D6130950590927549CORROSIONmethodlimit/basecurrenthistory1history2IronppmASTM D6130>15<1		-				482.0	406.0	429.0
Silicon ppm ASTM D6130 0 81 115 160 Phosphorus ppm ASTM D6130 0 69 268 138 Boron ppm ASTM D6130 0 163 420 974 Molybdenum ppm ASTM D6130 950 590 927 549 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 <1		Carboxylate				fail	pass	pass
Phosphorus ppm ASTM D6130 0 69 268 138 Boron ppm ASTM D6130 0 163 420 974 Molybdenum ppm ASTM D6130 950 590 927 549 CORROSION method imit/base current history1 history2 Iron ppm ASTM D6130 >15 <1 0 1 Aluminum ppm ASTM D6130 >15 <1 0 1 Aluminum ppm ASTM D6130 >10 <1 <1 <1 <1 Lead ppm ASTM D6130 >10 <1 0 0 0 Zinc ppm ASTM D6130 >10 0 0 <1 22 CONTAMINANTS method imit/base current history1 history2 Chlorine ppm ASTM D6130 5521 5000 3300 Quitter ppm ASTM D6130 5521 5000 3300 Potassium ppm ASTM D6130 <		CORROSION INH	IBITORS	method	limit/base	current	history1	history2
Boron ppm ASTM D6130 0 163 420 974 Molybdenum ppm ASTM D6130 950 590 927 549 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 <1 0 1 Aluminum ppm ASTM D6130 >10 <1 0 0 Copper ppm ASTM D6130 >10 <1 <1 <1 <1 Lead ppm ASTM D6130 >10 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <t< td=""><th>Silicon</th><td>ppm</td><td>ASTM D6130</td><td>0</td><td>81</td><td>115</td><td>160</td></t<>		Silicon	ppm	ASTM D6130	0	81	115	160
MolybdenumppmASTM D6130950590927549CORROSIONmethodlimit/basecurrenthistory1history2IronppmASTM D6130>15<1		Phosphorus	ppm	ASTM D6130	0	69	268	138
CORROSIONmethodlimit/basecurrenthistory1history2IronppmASTM D6130>15<1		Boron	ppm	ASTM D6130	0	163	420	974
Iron ppm ASTM D6130<>15 <1		Molybdenum	ppm	ASTM D6130	950	590	927	549
AluminumppmASTM D6130>10<100CopperppmASTM D6130>10<1		CORROSION		method	limit/base	current	history1	history2
CopperppmASTM D6130>10<1<1<1<1LeadppmASTM D6130>1000000TinppmASTM D6130>100000000ZincppmASTM D6130>1000<1		Iron	ppm	ASTM D6130	>15	<1	0	1
LeadppmASTM D6130>10000TinppmASTM D6130>10000ZincppmASTM D613000<1		Aluminum	ppm	ASTM D6130	>10	<1	0	0
TinppmASTM D6130>10000ZincppmASTM D6130Imit/baseCurrenthistory1history2CONTAMINANTSmethodlimit/basecurrenthistory1history2ChlorineppmASTM D613071022CARRIER SALTSmethodlimit/basecurrenthistory1history2SodiumppmASTM D6130552150003300PotassiumppmASTM D613049231159464SCALE POTENTIALmethodlimit/basecurrenthistory1history2CalciumppmASTM D6130124		Copper	ppm	ASTM D6130	>10	<1	<1	<1
TinppmASTM D6130>10000ZincppmASTM D6130Imit/baseCurrenthistory1history2CONTAMINANTSmethodlimit/basecurrenthistory1history2ChlorineppmASTM D613071022CARRIER SALTSmethodlimit/basecurrenthistory1history2SodiumppmASTM D6130552150003300PotassiumppmASTM D613049231159464SCALE POTENTIALmethodlimit/basecurrenthistory1history2CalciumppmASTM D6130124		Lead	ppm	ASTM D6130	>10	0	0	0
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ChlorineppmASTM D613071022CARRIER SALTSmethodlimit/basecurrenthistory1history2SodiumppmASTM D6130552150003300PotassiumppmASTM D613049231159464SCALE POTENTIALmethodlimit/basecurrenthistory1history2CalciumppmASTM D6130124		Zinc	ppm	ASTM D6130		0	0	<1
CARRIER SALTSmethodlimit/basecurrenthistory1history2SodiumppmASTM D6130552150003300PotassiumppmASTM D613049231159464SCALE POTENTIALmethodlimit/basecurrenthistory1history2CalciumppmASTM D6130124		CONTAMINANTS	\$	method	limit/base	current	history1	history2
SodiumppmASTM D6130552150003300PotassiumppmASTM D613049231159464SCALE POTENTIALmethodlimit/basecurrenthistory1history2CalciumppmASTM D6130124		Chlorine	ppm	ASTM D6130		7	10	22
PotassiumppmASTM D613049231159464SCALE POTENTIALmethodlimit/basecurrenthistory1history2CalciumppmASTM D6130124		CARRIER SALTS	;	method	limit/base	current	history1	history2
PotassiumppmASTM D613049231159464SCALE POTENTIALmethodlimit/basecurrenthistory1history2CalciumppmASTM D6130124		Sodium	ppm	ASTM D6130		5521	5000	3300
Calcium ppm ASTM D6130 1 2 4		Potassium		ASTM D6130			1159	464
		SCALE POTENT	IAL	method	limit/base	current	history1	history2
		Calcium	ppm	ASTM D6130		1	2	4
		Magnesium	ppm	ASTM D6130		3	<1	<1

Recommendation

No corrective action The fluid is suitable

Corrosion

All metal levels are in the cooling syste

Contaminants

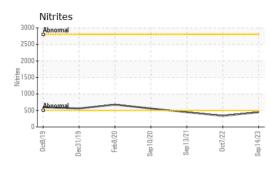
There is no indication coolant.

Coolant Condition

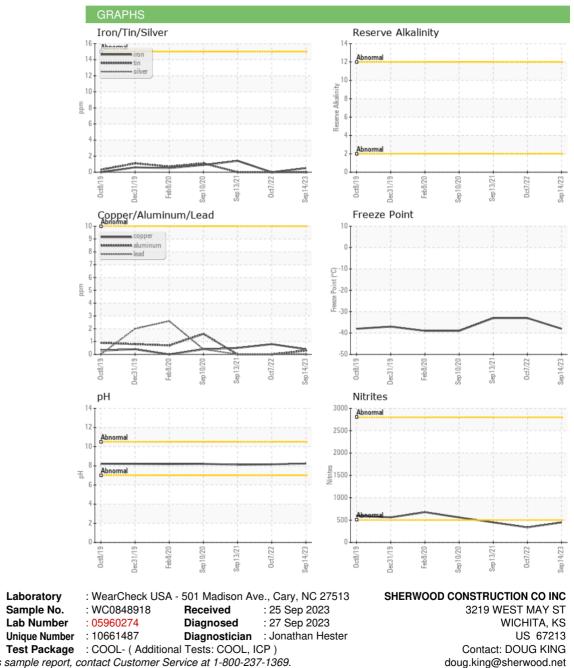
Carboxylate test fai acceptable. The pH acceptable limits.



COOLANT REPORT



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





 Certificate 12367
 Test Package
 : COOL- (Additional Tests: COOL, ICP)

 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.

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

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