COOLANT REPORT

Sample Rating Trend



NORMAL



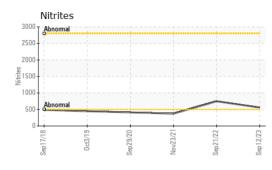
OKLAHOMA/102/EG - BACKHOE LOADER 53.514L [OKLAHOMA^102^EG - BACKHOE LOADER] Component Coolant Fluid

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

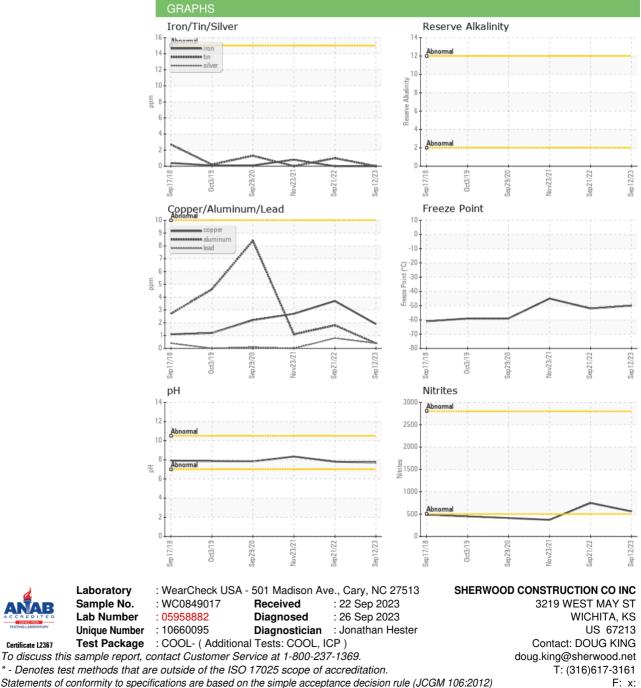
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0849017	WC0741180	WC0585818
Sample Date		Client Info		12 Sep 2023	21 Sep 2022	23 Nov 2021
Machine Age	hrs	Client Info		2239	1986	1781
Oil Age	hrs	Client Info		345	1956	1797
Oil Changed		Client Info		N/A	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
PHYSICAL TEST F	RESULTS	method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298		1.076	1.077	
pН	Scale 0-14	ASTM D1287		7.72	7.80	8.34
Nitrites	ppm	AP-053:2009		560	748	372
Reserve Alkalinity	Scale 0-20	*ASTM D1121				
Percentage Glycol	%	ASTM D3321		56.7	57.9	52
Freezing Point	°F	ASTM D3321		-50	-52	-45
Total Dissolved Solids				390.5	382.0	400.5
Carboxylate				fail	pass	pass
CORROSION INH	IBITORS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	0	7	23	53
Phosphorus	ppm	ASTM D6130	0	0	11	6
Boron	ppm	ASTM D6130	0	0	18	7
Molybdenum	ppm	ASTM D6130	950	1018	1141	1055
CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D6130	>15	0	0	<1
Aluminum	ppm	ASTM D6130	>10	<1	2	1
Copper	ppm	ASTM D6130	>10	2	4	3
Lead	ppm	ASTM D6130	>10	<1	<1	0
Tin			10	0	1	0
1111	ppm	ASTIVI D6130	>10	U	1	0
Zinc	ppm	ASTM D6130 ASTM D6130	>10	0 <1	2	<1
	ppm		>10 limit/base			
Zinc	ppm	ASTM D6130		<1	2	<1
Zinc	ppm ppm	ASTM D6130 method		<1 current	2 history1	<1 history2
Zinc CONTAMINANTS Chlorine	ppm ppm	ASTM D6130 method ASTM D6130	limit/base	<1 current 70	2 history1 12	<1 history2 40
Zinc CONTAMINANTS Chlorine CARRIER SALTS	ppm ppm	ASTM D6130 method ASTM D6130 method	limit/base	<1 current 70 current	2 history1 12 history1	<1 history2 40 history2
Zinc CONTAMINANTS Chlorine CARRIER SALTS Sodium	ppm ppm ppm ppm ppm	ASTM D6130 method ASTM D6130 ASTM D6130	limit/base	<1 current 70 current 6138	2 history1 12 history1 5000	<1 history2 40 history2 2578
Zinc CONTAMINANTS Chlorine CARRIER SALTS Sodium Potassium	ppm ppm ppm ppm ppm	ASTM D6130 method ASTM D6130 method ASTM D6130 ASTM D6130	limit/base limit/base	<1 current 70 current 6138 678	2 history1 12 history1 5000 826	<1 history2 40 history2 2578 2444
	Sample Number Sample Date Machine Age Oil Age Oil Changed Sample Status PHYSICAL TEST F Specific Gravity pH Nitrites Reserve Alkalinity Percentage Glycol Freezing Point Total Dissolved Solids Carboxylate CORROSION INH Silicon Phosphorus Boron Molybdenum CORROSION Iron Aluminum Copper Lead	Sample NumberSample DateMachine AgeMachine AgeMachine AgehrsOil AgehrsOil ChangedSample StatusPHYSICAL TEST RESULTSSpecific GravitypHScale 0.14NitritesppmReserve AlkalinityScale 0.20Percentage Glycol%Freezing Point°FTotal Dissolved SolidsCORROSION INHIBITORSSiliconppmPhosphorusppmBoronppmMolybdenumppmIronppmAluminumppmLeadppm	Sample NumberClient InfoSample DateClient InfoMachine AgehrsClient InfoOil AgehrsClient InfoOil ChangedClient InfoSample StatusIPHYSICAL TEST RESULTS methodSpecific Gravity*ASTM D1298pHScale 0-14ASTM D1287NitritesppmAP-053:2009Reserve AlkalinityScale 0-20*ASTM D1121Percentage Glycol%ASTM D3321Freezing Point°FASTM D3321Total Dissolved SolidsICORROSION INHIBITORSmethodSiliconppmASTM D6130PhosphorusppmASTM D6130BoronppmASTM D6130MolybdenumppmASTM D6130CORROSIONmethodIronppmASTM D6130AluminumppmASTM D6130LeadppmASTM D6130	Sample NumberClient InfoSample DateClient InfoMachine AgehrsClient InfoOil AgehrsClient InfoOil ChangedClient InfoSample StatusImit/basePHYSICAL TEST RESULTSmethodSpecific Gravity'ASTM D1298pHScale 0.14ASTM D1287NitritesppmAP-053:2009Reserve AlkalinityScale 0.20YASTM D121Percentage Glycol%ASTM D3321Freezing Point°FASTM D3321Freezing Point°FASTM D3321Total Dissolved SolidsCORROSION INHIBITORSmethodSiliconppmASTM D61300PhosphorusppmASTM D61300BoronppmASTM D61300MolybdenumppmASTM D6130>10CORROSIONmethodIronppmASTM D6130>10LeadppmASTM D6130>10	Sample NumberClient InfoWC0849017Sample DateClient Info12 Sep 2023Machine AgehrsClient Info2239Oil AgehrsClient Info345Oil ChangedClient InfoN/ASample StatusNORMALPHYSICAL TEST RESULTSmethodlimit/baseCurrentSpecific Gravity*ASTM D12981.076pHScale 0.14ASTM D12877.72NitritesppmAP-053:20095660Reserve AlkalinityScale 0.20*ASTM D1121Percentage Glycol%ASTM D332156.7Freezing Point°FASTM D332156.7Total Dissolved Solids390.5390.5Carboxylateimit/basecurrentSiliconppmASTM D61300ppmASTM D613000BoronppmASTM D61300MolybdenumppmASTM D613010CORROSIONmethodlimit/basecurrentIronppmASTM D6130>102LeadppmASTM D6130>102	Sample Number Client Info WC0849017 WC0741180 Sample Date Client Info 12 Sep 2023 21 Sep 2022 Machine Age hrs Client Info 2239 1986 Oil Age hrs Client Info 345 1956 Oil Age hrs Client Info N/A N/A Sample Status Imit/base current history1 Specific Gravity 'ASTM D1298 1.076 1.077 pH Scale 0:14 ASTM D1287 7.72 7.80 Nitrites ppm AP-053:2009 560 748 Reserve Alkalinity Scale 0:20 'ASTM D1287 7.72 7.80 Nitrites ppm AP-053:2009 560 748 Reserve Alkalinity Scale 0:20 'ASTM D1287 Percentage Glycol % ASTM D3321 56.7 57.9 Freezing Point °F ASTM D6130 0 7 23 Phosphorus ppm ASTM D61



COOLANT REPORT



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



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