

COOLANT REPORT

Sample Rating Trend

NORMAL NORMAL



Grand River CAT 5 GRRM05BE

Auxiliary Circuit Coolant Fluid

CHEVRON HEAVY DUTY PF COOLANT (--- GAL)

DIAGNOSIS

Recommendation

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.

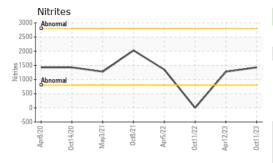
Coolant Condition

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

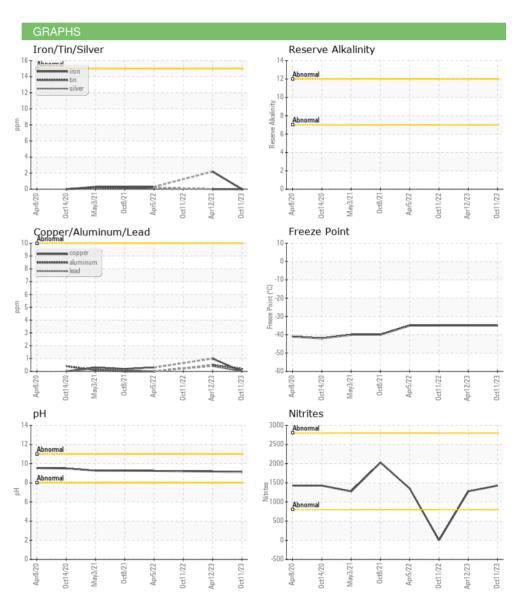
•	PF COOLANT (- GAL)	Apr2020 (Oct2020 May2021 Oct20	21 Apr2022 Oct2022 Apr2023	0ct2023	
Sample Date	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 75177 72849 71666 Oil Age hrs Client Info 75177 72849 71666 Oil Changed Client Info Not Changd Not Changd<	Sample Number		Client Info		WC0724860	WC0724835	WC0724884
Dil Age	Sample Date		Client Info		11 Oct 2023	12 Apr 2023	11 Oct 2022
Not Change	Machine Age	hrs	Client Info		75177	72849	71666
NORMAL NORMAL NORMAL NORMAL	Oil Age	hrs	Client Info		75177	72849	71666
PHYSICAL TEST RESULTS method limit/base current history1 history2	Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Specific Gravity	Sample Status				NORMAL	NORMAL	NORMAL
Ph	PHYSICAL TEST F	RESULTS	method	limit/base	current	history1	history2
Nitrites	Specific Gravity		*ASTM D1298		1.068	1.068	1.068
Reserve Alkalinity	рΗ	Scale 0-14	ASTM D1287	10.5	9.12	9.18	9.21
Percentage Glycol % ASTM D3321 50 50.1 50.1 50.8	Nitrites	ppm	AP-053:2009	>800	1428	1276	0
Preezing Point °F ASTM D3321 -37 -35	Reserve Alkalinity	Scale 0-20	*ASTM D1121				
Total Dissolved Solids	Percentage Glycol	%	ASTM D3321	50	50.1	50.1	50.8
Carboxylate n/a fail n/a CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 1000 34 137 Phosphorus ppm ASTM D6130 0 5 45 Boron ppm ASTM D6130 333 633 Molybdenum ppm ASTM D6130 210 385 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 2 Aluminum ppm ASTM D6130 >10 0 1 Copper ppm ASTM D6130 >10 0 1 Lead ppm ASTM D6130 >10 0 <1	Freezing Point	°F	ASTM D3321	-37		-35	-35
CORROSION INHIBITORS method limit/base current history1 history2	Total Dissolved Solids				236.5	236.0	212.5
Silicon	Carboxylate				n/a	fail	n/a
Phosphorus ppm ASTM D6130 0 5 45 Boron ppm ASTM D6130 333 633 Molybdenum ppm ASTM D6130 210 385 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 2 Aluminum ppm ASTM D6130 >10 <1	CORROSION INH	IBITORS	method	limit/base	current	history1	history2
Soron ppm ASTM D6130 333 633	Silicon	ppm	ASTM D6130	1000	34	137	
Molybdenum ppm ASTM D6130 210 385 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 2 Aluminum ppm ASTM D6130 >10 <1	Phosphorus	ppm	ASTM D6130	0	5	45	
CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 2 Aluminum ppm ASTM D6130 >10 <1	Boron	ppm	ASTM D6130		333	633	
Iron	Molybdenum	ppm	ASTM D6130		210	385	
Aluminum ppm ASTM D6130 >10 <1 <1 Copper ppm ASTM D6130 >10 0 1 Lead ppm ASTM D6130 >10 0 <1	CORROSION		method	limit/base	current	history1	history2
Copper ppm ASTM D6130 >10 0 1 Lead ppm ASTM D6130 >10 0 <1	Iron	ppm	ASTM D6130	>15	0	2	
Lead ppm ASTM D6130 >10 0 <1 Tin ppm ASTM D6130 >10 0 0 Zinc ppm ASTM D6130 0 <1	Aluminum	ppm	ASTM D6130	>10	<1	<1	
Tin ppm ASTM D6130 >10 0 0 Zinc ppm ASTM D6130 0 <1 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 0 20 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 1954 3274 Potassium ppm ASTM D6130 92 306 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 <1 3	Copper	ppm	ASTM D6130	>10		1	
Zinc ppm ASTM D6130 0 <1 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 0 20 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 1954 3274 Potassium ppm ASTM D6130 92 306 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 <1	Lead	ppm	ASTM D6130	>10	0	<1	
CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 0 20 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 1954 3274 Potassium ppm ASTM D6130 92 306 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 <1	Tin	ppm	ASTM D6130	>10	0		
Chlorine ppm ASTM D6130 0 20 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 1954 3274 Potassium ppm ASTM D6130 92 306 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 <1 3	Zinc	ppm	ASTM D6130		0	<1	
CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 1954 3274 Potassium ppm ASTM D6130 92 306 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 <1	CONTAMINANTS	;	method	limit/base	current	history1	history2
Sodium ppm ASTM D6130 1954 3274 Potassium ppm ASTM D6130 92 306 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 <1 3	Chlorine	ppm	ASTM D6130		0	20	
Potassium ppm ASTM D6130 92 306 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 <1	CARRIER SALTS		method	limit/base	current	history1	history2
SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 <1 3	Sodium	ppm	ASTM D6130		1954	3274	
Calcium ppm ASTM D6130 <1 3	Potassium	ppm	ASTM D6130		92	306	
	SCALE POTENTI	AL	method	limit/base	current	history1	history2
Magnesium ppm ASTM D6130 <1 <-1	Calcium	ppm	ASTM D6130		<1	3	
	Magnesium	ppm	ASTM D6130		<1	<1	



COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual	Grn/Prpl	Pink	Pink	Purpl
Coolant Appearance	*Visual	Clear	normal	normal	normal
Color					
Bottom					







Report Id: EDLGRAMI [WUSCAR] 05978599 (Generated: 10/25/2023 15:15:48) Rev: 1

Laboratory Sample No. Lab Number Unique Number : 10695894

: WC0724860 : 05978599

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

: 18 Oct 2023 Diagnostician : Jonathan Hester

: 13 Oct 2023

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)

EDL NA Recips-Grand River

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