

COOLANT REPORT

Sample Rating Trend **NORMAL**



Byron Center CAT 1 BYCM01BE Component Coolant

CHEVRON HEAVY DUTY PF COOLANT (--- GAL)

Recommendation

The fluid is suitable for further service. Please confirm sample ID.

Corrosion

All metal levels are normal indicating no corrosion in the cooling system.

Contaminants

There is no indication of any contamination in the coolant.

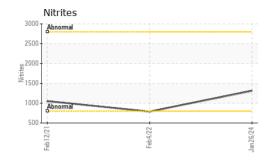
Coolant Condition

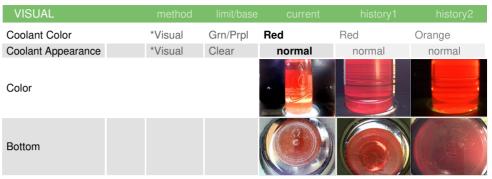
Glycol and nitrite levels are acceptable. The pH level of this fluid is within the acceptable limits.

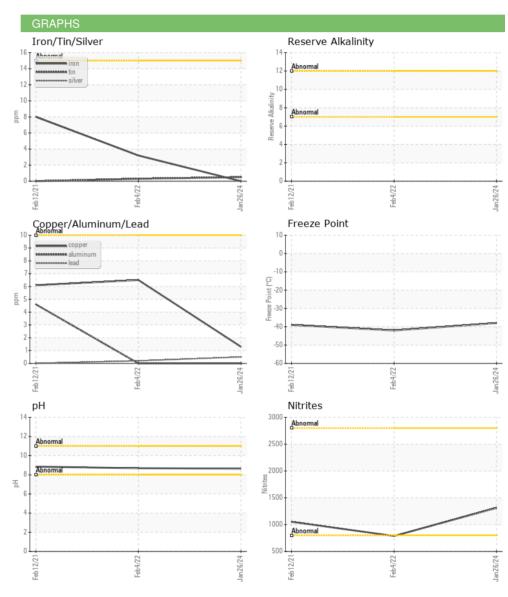
SAMPLE INFORMATION method limit/base current history1 history2	•	,	Fel	b2021	Feb 2022 Jan 20	124		
Sample Date Client Info 26 Jan 2024 04 Feb 2022 12 Feb 2021 Machine Age hrs Client Info 0 0 0 Oil Age hrs Client Info 0 0 0 Oil Changed Client Info N/A N/A N/A N/A Sample Status Client Info N/A N/A N/A N/A PHYSICAL TEST RESULTS method limit/base current history1 history2 Specific Gravity "ASTM D1287" 10.5 8.64 8.69 8.85 Nitrites ppm AP-053:2009 >800 1312 788 1052 Reserve Alkalinity Scale 0.20" "ASTM D1121" Percentrage Glycol % ASTM D3321" 50 51.5 52 50 Freezing Point "F ASTM D3321" 37 -38 -42 -39 Total Dissolved Solids state of the point of the po	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2	
Sample Date Client Info 26 Jan 2024 04 Feb 2022 12 Feb 2021 Machine Age hrs Client Info 0 0 0 Oil Age hrs Client Info 0 0 0 Oil Changed Client Info N/A N/A N/A N/A Sample Status Client Info N/A N/A N/A N/A PHYSICAL TEST RESULTS method limit/base current history1 history2 Specific Gravity "ASTM D1287" 10.5 8.64 8.69 8.85 Nitrites ppm AP-053:2009 >800 1312 788 1052 Reserve Alkalinity Scale 0.20" "ASTM D1121" Percentrage Glycol % ASTM D3321" 50 51.5 52 50 Freezing Point "F ASTM D3321" 37 -38 -42 -39 Total Dissolved Solids state of the point of the po	Sample Number		Client Info		WC0877032	WC0640281	WC0472199	
Oil Age hrs Client Info N/A N/A N/A N/A Sample Status N/A NORMAL NORMAL NORMAL NORMAL PHYSICAL TEST RESULTS method limit/base current history1 history2 Specific Gravity "ASTM D1298" 1.069 PH Scale 0-14 ASTM D1297 10.5 8.64 8.69 8.85 Nitrites Ppm AP-053:2009 >800 1312 788 1052 Reserve Alkalinity Scale 0-20 ASTM D121 Percentage Glycol "ASTM D1321 -37 -38 -42 -39 Total Dissolved Solids 321.0 269.0 277.0 Carboxylate method limit/base current history1 history2 Silicon ppm ASTM D6130 0 991 6 5 Boron ppm ASTM D6130 279 619			Client Info		26 Jan 2024	04 Feb 2022	12 Feb 2021	
Oil Age hrs Client Info N/A N/A N/A N/A Sample Status N/A NORMAL NORMAL NORMAL NORMAL PHYSICAL TEST RESULTS method limit/base current history1 history2 Specific Gravity "ASTM D1298" 1.069 PH Scale 0-14 ASTM D1297 10.5 8.64 8.69 8.85 Nitrites Ppm AP-053:2009 >800 1312 788 1052 Reserve Alkalinity Scale 0-20 ASTM D121 Percentage Glycol "ASTM D1321 -37 -38 -42 -39 Total Dissolved Solids 321.0 269.0 277.0 Carboxylate method limit/base current history1 history2 Silicon ppm ASTM D6130 0 991 6 5 Boron ppm ASTM D6130 279 619	Machine Age	hrs	Client Info		0	0	0	
Oil Changed Sample Status Client Info Sample Status N/A NORMAL NORMAL NORMAL NORMAL N/A NORMAL NORMAL NORMAL N/A NORMAL	Oil Age	hrs	Client Info		0	0	0	
Sample Status	-				N/A	N/A	N/A	
Specific Gravity					NORMAL	NORMAL	NORMAL	
pH Scale 0-14 ASTM D1287 10.5 8.64 8.69 8.85 Nitrites ppm AP-053:2009 >800 1312 788 1052 Reserve Alkalinity Scale 0-20 "ASTM D1121 Percentage Glycol % ASTM D3321 50 51.5 52 50 Freezing Point °F ASTM D3321 -37 -38 -42 -39 Total Dissolved Solids 321.0 269.0 277.0 0 277.0 Carboxylate Image: Carboxylate Image: Carboxylate Image: Carboxylate Image: Carboxylate Image: Carboxylate Image: Carboxylate N/a 277.0 277.0 277.0 277.0 277.0 277.0 277.0 277.0 277.0 277.0 277.0 277.0 277.0 277.0 277.0 277.0 277.0 277.0 277.0 277.0 277.0 277.0 277.0 277.0 277.0 277.0 277.0 277.0 277.0 277.0	PHYSICAL TEST F	RESULTS	method	limit/base	current	history1	history2	
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Reserve Alkalinity	pH	Scale 0-14	ASTM D1287	10.5	8.64	8.69	8.85	
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Percentage Glycol % ASTM D3321 50 51.5 52 50	Reserve Alkalinity	Scale 0-20	*ASTM D1121					
Total Dissolved Solids	Percentage Glycol	%	ASTM D3321	50	51.5	52	50	
Carboxylate n/a n/a n/a n/a CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 1000 45 40 31 Phosphorus ppm ASTM D6130 0 991 6 5 Boron ppm ASTM D6130 279 619 599 Molybdenum ppm ASTM D6130 503 386 377 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 3 8 Aluminum ppm ASTM D6130 >10 0 0 5 Copper ppm ASTM D6130 >10 1 6 6 Lead ppm ASTM D6130 >10 <1 <1 0 Zinc ppm ASTM D6130 0 <1 0 CONTAMINANTS	Freezing Point	°F	ASTM D3321	-37	-38	-42	-39	
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CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 0 3 8 Aluminum ppm ASTM D6130 >10 0 0 5 Copper ppm ASTM D6130 >10 1 6 6 Lead ppm ASTM D6130 >10 <1 <1 0 Tin ppm ASTM D6130 >10 <1 <1 0 Zinc ppm ASTM D6130 0 <1 0 0 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 3 41 28 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 4881 193 210 SCALE POTENTIAL method limit/base current history1 history2 <t< th=""><th>Boron</th><th>ppm</th><th>ASTM D6130</th><th></th><th>279</th><th>619</th><th>599</th></t<>	Boron	ppm	ASTM D6130		279	619	599	
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Aluminum ppm ASTM D6130 >10 0 5 Copper ppm ASTM D6130 >10 1 6 6 Lead ppm ASTM D6130 >10 <1 <1 0 Tin ppm ASTM D6130 >10 <1 <1 0 Zinc ppm ASTM D6130 0 <1 0 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 3 41 28 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 1479 1764 1751 Potassium ppm ASTM D6130 4881 193 210 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 0 3 1	CORROSION		method	limit/base	current	history1	history2	
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Lead ppm ASTM D6130 >10 <1	Aluminum	ppm	ASTM D6130	>10	0	0	5	
Tin ppm ASTM D6130 by 10 by 2 loc <1 by 2 loc	Copper	ppm	ASTM D6130	>10	1	6	6	
Zinc ppm ASTM D6130 0 <1	Lead	ppm	ASTM D6130	>10	<1	<1	0	
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Chlorine ppm ASTM D6130 3 41 28 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 1479 1764 1751 Potassium ppm ASTM D6130 4881 193 210 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 0 3 1	Zinc	ppm	ASTM D6130		0	<1	0	
CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 1479 1764 1751 Potassium ppm ASTM D6130 4881 193 210 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 0 3 1	CONTAMINANTS	;	method	limit/base	current	history1	history2	
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Potassium ppm ASTM D6130 4881 193 210 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 0 3 1	CARRIER SALTS		method	limit/base	current	history1	history2	
Potassium ppm ASTM D6130 4881 193 210 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 0 3 1	Sodium	ppm	ASTM D6130		1479	1764	1751	
Calcium ppm ASTM D6130 0 3 1								
P.F. T.	SCALE POTENTI	AL	method	limit/base	current	history1	history2	
	Calcium	ppm	ASTM D6130		0	3	1	
	Magnesium		ASTM D6130		0	<1	0	



COOLANT REPORT









Laboratory Sample No. Lab Number : 06076278 Unique Number: 10858369

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0877032

Received **Tested**

Diagnosed

: 31 Jan 2024

: 08 Feb 2024

: 08 Feb 2024 - Doug Bogart

EDL NA Recips-Byron Center Byron Center Powerstation, 10310 South Kent Road

Byron Center, MI US 49315

Contact: Jake Ripke Jake.Ripke@edlenergy.com

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.

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

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

T:

F: