

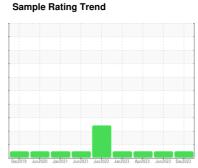
COOLANT REPORT



DECM02BE (S/N 4EK00128)

Jacket Water Coolant

CHEVRON HEAVY DUTY PF COOLANT (100 GAL)





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.

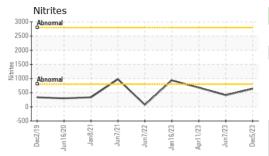
Coolant Condition

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

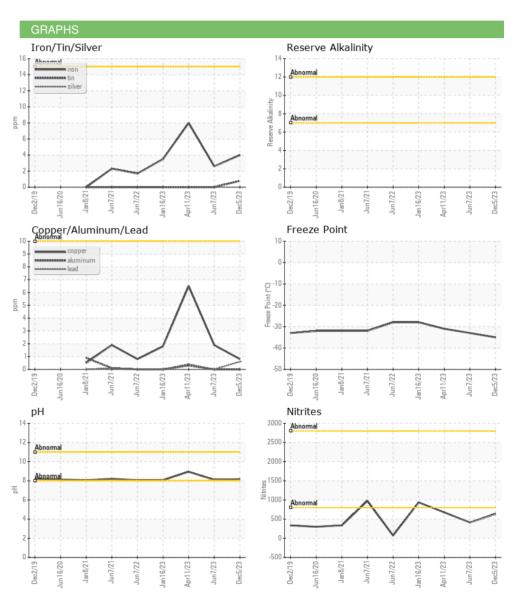
SAMPLE INFORMATION method limit/base current history1 history2	PP COOLAINI (10	U GAL)	Dec2019 Jul	n2020 Jan2021 Jun2021	Jun2022 Jan2023 Apr2023 Jun2	023 Dec2023	
Sample Date	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age hrs	Sample Number		Client Info		WC0732868	WC0732948	WC0732992
Dil Age	Sample Date		Client Info		05 Dec 2023	07 Jun 2023	11 Apr 2023
Coli Changed Client Info Not Changd Not Changd Normal Normal	Machine Age	hrs	Client Info		57873	53976	52735
NORMAL NORMAL NORMAL NORMAL PHYSICAL TEST RESULTS method limit/base current history1 history2	Oil Age	hrs	Client Info		898	560	280
PHYSICAL TEST RESULTS	Oil Changed		Client Info		Not Changd	Not Changd	Changed
Specific Gravity	Sample Status				NORMAL	NORMAL	NORMAL
Ph	PHYSICAL TEST R	ESULTS	method	limit/base	current	history1	history2
Nitrites	Specific Gravity		*ASTM D1298		1.067	1.066	1.065
Reserve Alkalinity	H	Scale 0-14	ASTM D1287	10.5	8.18	8.10	8.94
Percentage Glycol % ASTM D3321 50 50.0 49.1 48.6 Freezing Point	Nitrites	ppm	AP-053:2009	>800	636	412	676
Freezing Point °F ASTM D3321 37 -35 -33 -31 Total Dissolved Solids 240.0 233.0 225.5 Carboxylate	Reserve Alkalinity	Scale 0-20	*ASTM D1121				
Total Dissolved Solids	Percentage Glycol	%	ASTM D3321	50	50.0	49.1	48.6
Carboxylate n/a fail n/a CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 1000 25 83 120 Phosphorus ppm ASTM D6130 0 4 0 14 Boron ppm ASTM D6130 335 683 622 Molybdenum ppm ASTM D6130 203 423 371 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 4 3 8 Aluminum ppm ASTM D6130 >10 <1	Freezing Point	°F	ASTM D3321	-37	-35	-33	-31
CORROSION INHIBITORS method limit/base current history1 history2	Total Dissolved Solids				240.0	233.0	225.5
Silicon	Carboxylate				n/a	fail	n/a
Phosphorus ppm ASTM D6130 0 4 0 14 Boron ppm ASTM D6130 335 683 622 Molybdenum ppm ASTM D6130 203 423 371 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 4 3 8 Aluminum ppm ASTM D6130 >10 0 0 <1	CORROSION INH	IBITORS	method	limit/base	current	history1	history2
Soron ppm ASTM D6130 203 423 371	Silicon	ppm	ASTM D6130	1000	25	83	120
Molybdenum ppm ASTM D6130 203 423 371 CORROSION method limit/base current history1 history2 ron ppm ASTM D6130 >15 4 3 8 Aluminum ppm ASTM D6130 >10 0 0 <1	Phosphorus	ppm	ASTM D6130	0	4	0	14
CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 4 3 8 Aluminum ppm ASTM D6130 >10 0 0 <1	Boron	ppm	ASTM D6130		335	683	622
Asternation	Molybdenum	ppm	ASTM D6130		203	423	371
Aluminum ppm ASTM D6130 >10 0 <1 Copper ppm ASTM D6130 >10 <1	CORROSION		method	limit/base	current	history1	history2
Copper ppm ASTM D6130 >10 <1 2 6 Lead ppm ASTM D6130 >10 <1 0 <1 Tin ppm ASTM D6130 >10 <1 0 0 Zinc ppm ASTM D6130 0 0 <1 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 8 0 19 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 1900 3223 3236 Potassium ppm ASTM D6130 39 31 99 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 1 0 <1	ron	ppm	ASTM D6130	>15	4	3	8
Lead ppm ASTM D6130 >10 <1 0 <1 Tin ppm ASTM D6130 >10 <1	Aluminum	ppm	ASTM D6130	>10	0	0	<1
Tin ppm ASTM D6130 >10 <1 0 0 Zinc ppm ASTM D6130 0 0 0 <1 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 8 0 19 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 1900 3223 3236 Potassium ppm ASTM D6130 39 31 99 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 1 0 <1	Copper	ppm	ASTM D6130	>10	<1		6
Zinc ppm ASTM D6130 0 0 <1 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 8 0 19 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 1900 3223 3236 Potassium ppm ASTM D6130 39 31 99 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 1 0 <1	Lead	ppm	ASTM D6130	>10		0	<1
CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 8 0 19 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 1900 3223 3236 Potassium ppm ASTM D6130 39 31 99 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 1 0 <1	Tin	ppm	ASTM D6130	>10	<1		0
Chlorine ppm ASTM D6130 8 0 19 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 1900 3223 3236 Potassium ppm ASTM D6130 39 31 99 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 1 0 <1	Zinc	ppm	ASTM D6130		0	0	<1
CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 1900 3223 3236 Potassium ppm ASTM D6130 39 31 99 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 1 0 <1	CONTAMINANTS		method	limit/base	current	history1	history2
Sodium ppm ASTM D6130 1900 3223 3236 Potassium ppm ASTM D6130 39 31 99 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 1 0 <1	Chlorine	ppm	ASTM D6130		8	0	19
Potassium ppm ASTM D6130 39 31 99 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 1 0 <1	CARRIER SALTS		method	limit/base	current	history1	history2
Potassium ppm ASTM D6130 39 31 99 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 1 0 <1	Sodium	ppm	ASTM D6130		1900	3223	3236
Calcium ppm ASTM D6130 1 0 <1	Potassium		ASTM D6130		39	31	99
PP 1 1 1 1 1	SCALE POTENTI	AL	method	limit/base	current	history1	history2
Magnesium ppm ASTM D6130 0 0	Calcium	ppm	ASTM D6130		1	0	<1
	Magnesium	ppm	ASTM D6130		0	0	0



COOLANT REPORT



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





Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: 10778787

: WC0732868 : 06028996

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

: 07 Dec 2023 Diagnosed : 11 Dec 2023

Diagnostician : Jonathan Hester Test Package : COOL- (Additional Tests: COOL, ICP)

US 35673 Contact: JEFF SUMMERS

To discuss this sample report, contact Customer Service at 1-800-237-1369.

jeff.summers@energydevelopments.com T:

* - 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)

Report Id: ENETRI [WUSCAR] 06028996 (Generated: 12/11/2023 18:37:37) Rev: 1

EDL NA Recips-Decatur

620 LANDFILL DRIVE

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TRINITY, AL