

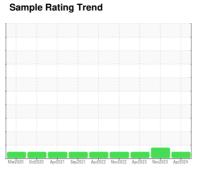
COOLANT REPORT



Machine Id **Grand Blanc CAT 3 GBLM03BE**

Auxiliary Circuit Coolant

CHEVRON HEAVY DUTY PF COOLANT (--- GAL)





Recommendation

The fluid is suitable for further service. (Customer Sample Comment: Aux coolant sample 6mo)

Corrosion

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

Contaminants

There is no indication of any contamination in the coolant.

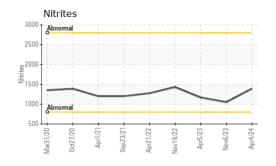
Coolant Condition

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

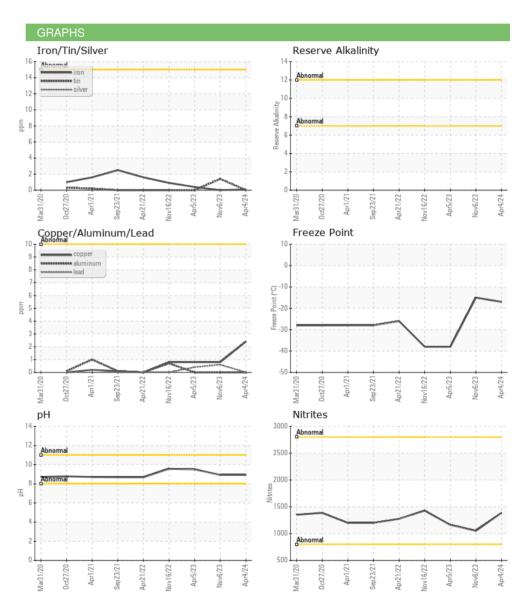
SAMPLE INFORMATION method limil/base current history1 history2	PF COOLANT (- GAL)	Mar2020 Oc	2020 Apr2021 Sep2021	Apr2022 Nov2022 Apr2023 Nov2	723 Apr2U24		
Sample Date Client Info 04 Apr 2024 06 Nov 2023 05 Apr 2023 Machine Age hrs Client Info 82727 79448 75175 Oil Age hrs Client Info 3351 72 7468 Oil Changed Client Info Changed Changed N/A Sample Status Light Info PHYSICAL TEST RESULTS method limit/base current history1 history2 Glycol Type FT-IR	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2	
Machine Age hrs Client Info 82727 79448 75175 Oil Age hrs Client Info 3351 72 7468 Oil Changed Changed Changed N/A NORMAL NORMAL Asmple Status NORMAL NORMAL NORMAL NORMAL NORMAL PHYSICAL TEST RESULTS method limit/base current history1 history2 Glycol Type FT-IR Specific Gravity PT-IR	Sample Number		Client Info		WC0905660	WC0870104	WC0795334	
Oil Age hrs Client Info 3351 72 7468 Oil Changed Sample Status Client Info Changed Changed N/A NORMAL ABNORMAL NORMAL PHYSICAL TEST RESULTS method limit/base current history1 history2 Glycol Type FT-IR Specific Gravity 'ASTM D1287 10.55 8.92 8.92 9.51 Nitrites ppm AP-058;2009 >800 1388 1052 1164 Reserve Alkalinity Scale 0:40 'ASTM D1121 Percentage Glycol '% ASTM D3321 50 42.7 41.9 51.6 Freezing Point °F ASTM D3321 50 42.7 41.9 51.6 Freezing Point °F ASTM D3321 50 42.7 41.9 51.6 Freezing Point °F ASTM D6130 100.0 57 90 97 </th <th>Sample Date</th> <th></th> <th>Client Info</th> <th></th> <th>04 Apr 2024</th> <th>06 Nov 2023</th> <th>05 Apr 2023</th>	Sample Date		Client Info		04 Apr 2024	06 Nov 2023	05 Apr 2023	
Oil Changed Sample Status	Machine Age	hrs	Client Info		82727	79448	75175	
NORMAL ABNORMAL NORMAL	Oil Age	hrs	Client Info		3351	72	7468	
PHYSICAL TEST RESULTS method limit/base current history1 history2	Oil Changed		Client Info		Changed	Changed	N/A	
Separation Sep	Sample Status				NORMAL	ABNORMAL	NORMAL	
Specific Gravity	PHYSICAL TEST R	RESULTS	method	limit/base	current	history1	history2	
pH Scale 0-14 ASTM D1287 10.5 8.92 8.92 9.51 Nitrites ppm AP-053:2009 >800 1388 1052 1164 Reserve Alkalinity Scale 0-20 "ASTM D1121 Percentage Glycol % ASTM D3321 50 42.7 41.9 51.6 Freezing Point °F ASTM D3321 -37 -17 -15 -38 Total Dissolved Solids 2222.0 158.0 234.0 n/a fail Carboxylate method limit/base current history1 history2 Silicon ppm ASTM D6130 1000 57 90 97 Phosphorus ppm ASTM D6130 0 11 4 15 Boron ppm ASTM D6130 313 261 553 Molybdenum ppm ASTM D6130 >15 <1 0 <1 Iron ppm ASTM D6130 >15	Glycol Type		FT-IR					
Nitrites	Specific Gravity		*ASTM D1298		1.058	1.057	1.069	
Reserve Alkalinity Scale 0-20	рН	Scale 0-14	ASTM D1287	10.5	8.92	8.92	9.51	
Percentage Glycol %	Nitrites	ppm	AP-053:2009	>800	1388	1052	1164	
Freezing Point °F ASTM D3321 -37 -17 -15 -38 Total Dissolved Solids Carboxylate n/a n/a n58.0 234.0 CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 100 57 90 97 Phosphorus ppm ASTM D6130 0 11 4 15 Boron ppm ASTM D6130 0 11 4 15 Boron ppm ASTM D6130 15 <1 0 <1 Holybedenum ppm ASTM D6130 >15 <1 0 <1 CORROSION method Immitybase current history1 history2 Iron ASTM D6130 <td rowsp<="" th=""><th>Reserve Alkalinity</th><th>Scale 0-20</th><th>*ASTM D1121</th><th></th><th></th><th></th><th></th></td>	<th>Reserve Alkalinity</th> <th>Scale 0-20</th> <th>*ASTM D1121</th> <th></th> <th></th> <th></th> <th></th>	Reserve Alkalinity	Scale 0-20	*ASTM D1121				
Total Dissolved Solids	Percentage Glycol	%	ASTM D3321	50	42.7	41.9	51.6	
Carboxylate n/a n/a fail CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 1000 57 90 97 Phosphorus ppm ASTM D6130 0 11 4 15 Boron ppm ASTM D6130 313 261 553 Molybdenum ppm ASTM D6130 1999 173 303 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 <1	Freezing Point	°F	ASTM D3321	-37	-17	-15	-38	
CORROSION INHIBITORS method limit/base current history1 history2	Total Dissolved Solids				222.0	158.0	234.0	
Silicon	Carboxylate				n/a	n/a	fail	
Phosphorus ppm ASTM D6130 0 11 4 15 Boron ppm ASTM D6130 313 261 553 Molybdenum ppm ASTM D6130 199 173 303 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 <1	CORROSION INH	IBITORS	method	limit/base	current	history1	history2	
Boron	Silicon	ppm	ASTM D6130	1000	57	90	97	
Molybdenum ppm ASTM D6130 199 173 303 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 <1 0 <1 Aluminum ppm ASTM D6130 >10 0 0 0 Copper ppm ASTM D6130 >10 0 <1 <1 Lead ppm ASTM D6130 >10 0 <1 <1 Tin ppm ASTM D6130 >10 0 1 0 Zinc ppm ASTM D6130 <1 <1 0 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 8 10 21 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 33 15 95 SCALE POTENTIAL	Phosphorus	ppm	ASTM D6130	0	11	4	15	
CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 <1	Boron	ppm	ASTM D6130		313	261	553	
Iron ppm ASTM D6130 >15 <1 0 <1 Aluminum ppm ASTM D6130 >10 0 0 0 Copper ppm ASTM D6130 >10 2 <1 <1 Lead ppm ASTM D6130 >10 0 <1 <1 Tin ppm ASTM D6130 >10 0 1 0 Zinc ppm ASTM D6130 <1 <1 0 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 8 10 21 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 33 15 95 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 8 18 18 2	Molybdenum	ppm	ASTM D6130		199	173	303	
Aluminum ppm ASTM D6130 >10 0 0 0 Copper ppm ASTM D6130 >10 2 <1 <1 Lead ppm ASTM D6130 >10 0 <1 <1 Tin ppm ASTM D6130 >10 0 1 0 Zinc ppm ASTM D6130 <1 <1 0 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 8 10 21 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 33 15 95 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 8 18 2	CORROSION		method	limit/base	current	history1	history2	
Copper ppm ASTM D6130 >10 2 <1	Iron	ppm	ASTM D6130	>15	<1	0	<1	
Lead ppm ASTM D6130 >10 0 <1	Aluminum	ppm	ASTM D6130	>10	0	0	0	
Tin ppm ASTM D6130 >10 0 1 0 Zinc ppm ASTM D6130 >10 c1 0 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 8 10 21 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 2051 1676 2993 Potassium ppm ASTM D6130 33 15 95 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 8 18 2	Copper	ppm	ASTM D6130	>10	2	<1	<1	
Zinc ppm ASTM D6130 <1 <1 0 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 8 10 21 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 2051 1676 2993 Potassium ppm ASTM D6130 33 15 95 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 8 18 2	Lead	ppm	ASTM D6130	>10	0	<1	<1	
CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 8 10 21 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 2051 1676 2993 Potassium ppm ASTM D6130 33 15 95 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 8 18 2	Tin	ppm	ASTM D6130	>10	0	1	0	
Chlorine ppm ASTM D6130 8 10 21 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 2051 1676 2993 Potassium ppm ASTM D6130 33 15 95 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 8 18 2	Zinc	ppm	ASTM D6130		<1	<1	0	
CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 2051 1676 2993 Potassium ppm ASTM D6130 33 15 95 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 8 18 2	CONTAMINANTS		method	limit/base	current	history1	history2	
Sodium ppm ASTM D6130 2051 1676 2993 Potassium ppm ASTM D6130 33 15 95 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 8 18 2	Chlorine	ppm	ASTM D6130		8	10	21	
Potassium ppm ASTM D6130 33 15 95 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 8 18 2	CARRIER SALTS		method	limit/base	current	history1	history2	
SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 8 18 2	Sodium	ppm	ASTM D6130		2051	1676	2993	
Calcium ppm ASTM D6130 8 18 2	Potassium	ppm	ASTM D6130		33	15	95	
PP	SCALE POTENTI	AL	method	limit/base	current	history1	history2	
Magnesium ppm ASTM D6130 <1	Calcium	ppm	ASTM D6130		8	18	2	
	Magnesium	ppm	ASTM D6130		<1	5	0	



COOLANT REPORT



VISUAL	method	limit/base	current	history1	history2
Coolant Color	*Visual	Grn/Prpl	Pink	Pink	Pink
Coolant Appearance	*Visual	Clear	normal	▲ oil	normal
Color			(18)		
Bottom					







Certificate 12367

Laboratory Sample No.

: WC0905660 Lab Number : 06144803 Unique Number : 10969611

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

: 10 Apr 2024 **Tested** : 19 Apr 2024 Diagnosed : 19 Apr 2024 - Jonathan Hester

EDL NA Recips-Grand Blanc Grand Blanc Powerstation, 2361 West Grand Blanc Road Grand Blanc, MI US 48439

Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP) To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact: Tony Saint Marie tony.saintmarie@edlenergy.com

* - 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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