

COOLANT REPORT



Machine Id 092380 Component Coolant NOT GIVEN (--- GAL)

DIAGNOSIS

A Recommendation

We recommend drain system, and refill with 50/50 antifreeze water mixture. We advise that you replenish the supplemental coolant additives (SCAs) and add per manufacturer's specifications. We recommend an early resample to monitor this condition.

Corrosion

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

Contaminants

There is no indication of any contamination in the component(unconfirmed).

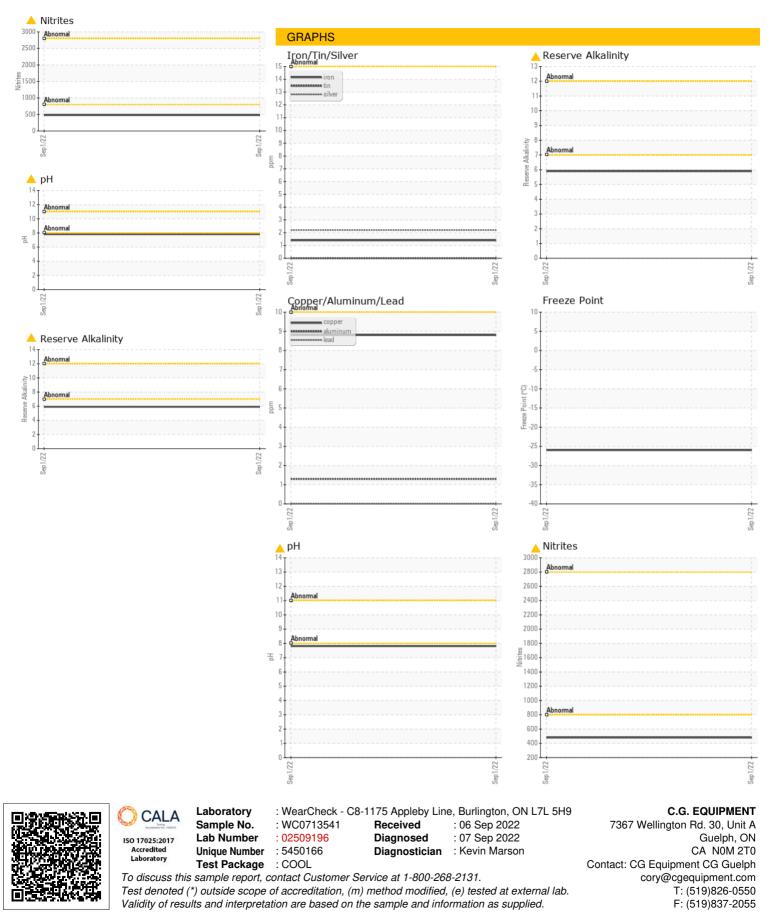
Coolant Condition

The reserve alkalinity of this fluid is lower than acceptable. The coolant is cloudy indicating either an overconcentration of coolant additives, or a mixing of incompatible coolant technologies. The low nitrite level indicates reduced cavitation protection which leads to corrosion and ammonia formation. The pH is low which causes rust formation.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0713541		
Sample Date		Client Info		01 Sep 2022		
Machine Age	hrs	Client Info		5955		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
PHYSICAL TEST R	ESULTS	method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*		1.063		
pН	Scale 0-14	ASTM D1287*		<u> </u>		
Nitrites	ppm	Alcan Test Kit*		<u> </u>		
Reserve Alkalinity	Scale 0-20	ASTM D1121*		<u> </u>		
Percentage Glycol	%	ASTM D3321*		46.5		
Freezing Point	°C	ASTM D3321*		-26		
Carboxylate						
CORROSION INHI	BITORS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		22		
Phosphorus	ppm	ASTM D5185(m)		453		
Boron	ppm	ASTM D5185(m)		40		
Molybdenum	ppm	ASTM D5185(m)		3		
CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	1		
Aluminum	ppm	ASTM D5185(m)	>10	1		
Copper	ppm	ASTM D5185(m)	>10	9		
Lead	ppm	ASTM D5185(m)	>10	0		
Tin	ppm	ASTM D5185(m)	>10	0		
Silver	ppm	ASTM D5185(m)	>10	2		
Zinc	ppm	ASTM D5185(m)		3		
CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		478		
Potassium	ppm	ASTM D5185(m)		4119		
SCALE POTENTI	AL	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	4		
Magnesium	ppm	ASTM D5185(m)	>40	1		
Hardness	mg/L CaCO3	In-house*	<75	14		
VISUAL		method	limit/base	current	history1	history2
Coolant Color		Visual*		Green		
Coolant Appearance		Visual*	Clear	🔺 Cloudy		
Color					no image	no image
Bottom					no image	no image



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Contact/Location: CG Equipment CG Guelph - CGEGUE