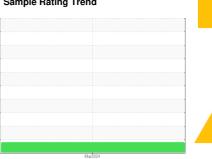


COOLANT REPORT

Sample Rating Trend



WEAR



Machine Id SEAWAY-GESTION

Component

Coolant

CONVENTIONAL COOLANT (--- GAL)

DIAGNOSIS

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

Copper ppm levels are abnormal. The high metal levels indicate corrosion in the system.

Contaminants

There is no indication of any contamination in the coolant.

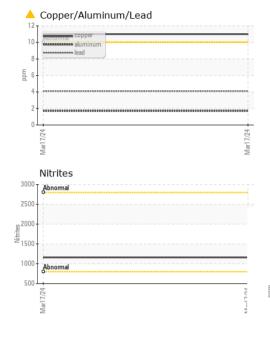
Coolant Condition

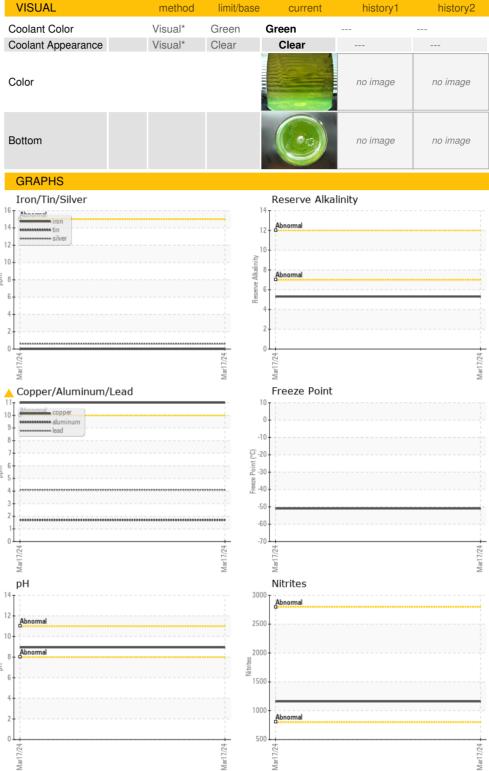
The nitrite level is acceptable. The pH level of this fluid is within the acceptable limits.

				Mar2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		CU		
Sample Date		Client Info		17 Mar 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
PHYSICAL TEST F	RESULTS	method	limit/base	current	history1	history2
Glycol Type		FT-IR		UNK		
Specific Gravity		ASTM D1298*		1.081		
рН	Scale 0-14	ASTM D1287*	9.5	8.94		
Nitrites	ppm	Alcan Test Kit*	1500	1160		
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	5.3		
Percentage Glycol	%	ASTM D3321*	50	61.6		
Freezing Point	°C	ASTM D3321*	-40	-51		
Carboxylate						
CORROSION INH	IBITORS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		27		
Phosphorus	ppm	ASTM D5185(m)		584		
Boron	ppm	ASTM D5185(m)		243		
Molybdenum	ppm	ASTM D5185(m)		229		
CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	0		
Aluminum	ppm	ASTM D5185(m)	>10	2		
Copper	ppm	ASTM D5185(m)	>10	<u> </u>		
Lead	ppm	ASTM D5185(m)	>10	4		
Tin	ppm	ASTM D5185(m)	>10	0		
Silver	ppm	ASTM D5185(m)	>10	<1		
Zinc	ppm	ASTM D5185(m)		0		
CARRIER SALTS	}	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		4033		
Potassium	ppm	ASTM D5185(m)		4329		
SCALE POTENT	IAL	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	1		
Magnesium	ppm	ASTM D5185(m)	>40	<1		
Hardness	mg/L CaCO3	In-house*	<75	3		



COOLANT REPORT







CALA ISO 17025:2017 Accredited Laboratory

Laboratory

Sample No. Lab Number : 02622871 Unique Number : 5747990

: CU

Tested Test Package: COOL (Additional Tests: GlycolType)

Received Diagnosed

: 18 Mar 2024 : 20 Mar 2024

: 20 Mar 2024 - Kevin Marson

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 CUMMINS CANADA ULC - GENERATOR DIVISION 7175 PACIFIC CIRCLE MISSISSAUGA, ON CA L5T 2A5

Contact: Elisia Johnson elisia.johnson@cummins.com T: (905)795-0050

To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

F: (905)795-9252 Contact/Location: Elisia Johnson - CUMMISGEN