

COOLANT REPORT

Sample Rating Trend





MTU WARRIOR A DRAIN

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

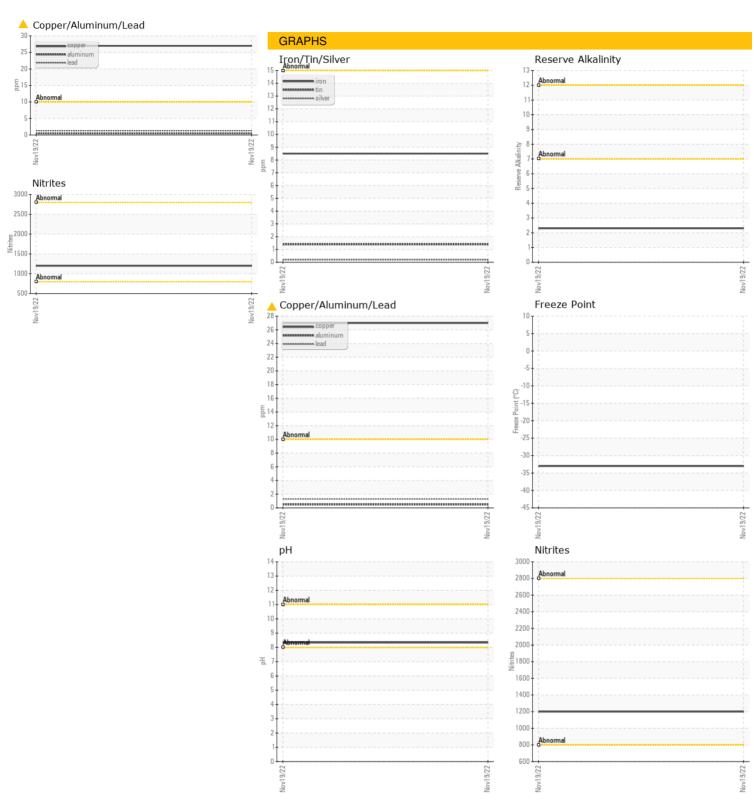
The nitrite level is acceptable. The pH level of this fluid is within the acceptable limits.



SAMPLE INFORM	ΙΔΤΙΩΝ	method	limit/base	current	history1	history2
	II (I I O I V		III III Dasc			
Sample Number		Client Info		WC0729650		
Sample Date		Client Info		19 Nov 2022		
Machine Age	hrs	Client Info		142		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				ABNORMAL		
PHYSICAL TEST F	ESULTS	method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*		1.066		
рН	Scale 0-14	ASTM D1287*	9.5	8.34		
Nitrites	ppm	Alcan Test Kit*	1500	1200		
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	2.3		
Percentage Glycol	%	ASTM D3321*	50	49.1		
Freezing Point	°C	ASTM D3321*	-40	-33		
Carboxylate						
CORROSION INH	IBITORS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		22		
Phosphorus	ppm	ASTM D5185(m)		19		
Boron	ppm	ASTM D5185(m)		261		
Molybdenum	ppm	ASTM D5185(m)		4		
CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	8		
Aluminum	ppm	ASTM D5185(m)	>10	<1		
Copper	ppm	ASTM D5185(m)	>10	<u>^</u> 27		
Lead	ppm	ASTM D5185(m)	>10	1		
Tin	ppm	ASTM D5185(m)	>10	1		
Silver	ppm	ASTM D5185(m)	>10	<1		
Zinc	ppm	ASTM D5185(m)		20		
CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		1623		
Potassium	ppm	ASTM D5185(m)		175		
SCALE POTENTIAL method		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	5		
Magnesium	ppm	ASTM D5185(m)	>40	1		
Hardness	mg/L CaCO3	In-house*	<75	17		
VISUAL		method	limit/base	current	history1	history2
Coolant Color		Visual*	Green	Grn/Yellow		
Coolant Appearance		Visual*	Clear	Clear		
Color				Awaw	no image	no image
Bottom					no image	no image



COOLANT REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number Unique Number : 5489943

Test Package : COOL

: WC0729650 : 02524962

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 SOMMERS GENERATOR SALES LTD. Received Diagnosed

: 25 Nov 2022 : 25 Nov 2022 Diagnostician : Kevin Marson

70 PACKHAM AVENUE STRATFORD, ON CA N4Z 0A6

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.

Contact: Pat Devereaux pat.devereaux@sommersgen.com T: (519)655-2396

F: (519)655-6881 Contact/Location: Pat Devereaux - VP756504