

COOLANT REPORT

Area SUNLIFE [24810] Machine Id MTU WARRIOR B WATER (S/N 95030500207) Component

Coolant

CONVENTIONAL COOLANT (--- LTR)

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

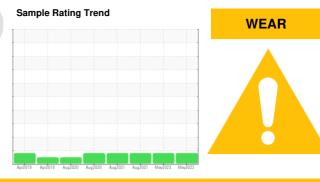
Tin ppm levels are abnormal. The high metal levels indicate corrosion in the system.

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	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0817952	WC0817951	WC0616830
Sample Date		Client Info		08 May 2023	08 May 2023	18 Aug 2021
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
PHYSICAL TEST R	ESULTS	method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*		1.067	1.067	1.067
pH	Scale 0-14	ASTM D1287*	9.5	9.00	7.96	9.21
Nitrites	ppm	Alcan Test Kit*	1500	1360	1280	1600
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	3.0	2.3	3.8
Percentage Glycol	%	ASTM D3321*	50	49.5	49.7	50.0
Freezing Point	°C	ASTM D3321*	-40	-33	-33	-37
Carboxylate	-					
CORROSION INH		method	limit/base	current	history1	history2
Silicon			in in base			
	ppm	ASTM D5185(m)		8	18	5
Phosphorus	ppm	ASTM D5185(m)		16	23	10
Boron	ppm	ASTM D5185(m)		259	246	263
Molybdenum	ppm	ASTM D5185(m)		4	7	2
CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	2	12	2
Aluminum	ppm	ASTM D5185(m)	>10	2	<1	2
Copper	ppm	ASTM D5185(m)	>10	2	🔺 25	1
Lead	ppm	ASTM D5185(m)	>10	<1	<1	1
Tin	ppm	ASTM D5185(m)	>10	6 53	2	4 35
Silver	ppm	ASTM D5185(m)	>10	<1	<1	<1
Zinc	ppm	ASTM D5185(m)		11	23	6
CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		1530	1535	1428
Potassium	ppm	ASTM D5185(m)		169	226	179
SCALE POTENTI	AL	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	4	9	2
Magnesium	ppm	ASTM D5185(m)	>40	2	2	-
Hardness	mg/L CaCO3	In-house*	<75	17	31	
VISUAL		method	limit/base		history1	history2
Coolant Color		Visual*	Green	Pink		Pink
Coolant Appearance		Visual*	Clear	Clear	Orange Clear	Clear
Sublant Appearance		visudi	Clear	Ciedr	Clear	Clear
				T	5/	1000
Color						12
				63		

Bottom

Contact/Location: Pat Devereaux - VP756504



Iron/Tin/Silver

COOLANT REPORT

60 GRAPHS 50 Iron/Tin/Silver Reserve Alkalinity 40 ۲<u>ط</u> 30 12 50 n tin 20 40 10 10 41 35 Aug21/20 May8/23 Aug18/21 ua18/2 ug21/20 : Alkalinity nr73/1 Apr10/ 30 RCBINE Nitrites 300 20 Abnorma 15 250 10 2 2000 5 [≜]1500 0 Aug21/20 1000 Aug21/20 Aug18/21 Aav8/73 Aug21/20 Aug 18/21 Aug18/21 Aug21/20 Aug 18/2 Apr10/1 Abr Apr23/ Apr10/1 Apr23/7 Aug21/20 Aug18/21. Aug18/21. May8/23 May8/23 Aug21/20 Copper/Aluminum/Lead Freeze Point Inr73/19 Inr10/1 21 10 24 5 0 20 -5 18 -10 16 ହି-15 -20 -25 10 -30 -35 -40 -45 -50 ug21/20 /lav/8/23 Aug 18/21 Vug18/21 Aug18/21 Apr23/19 ug21/20 a21/20 1av8/73 nr23/1 Apr10/ Nitrites pН 14 300 13 2800 12 2600 2400 10 2200 2000 돌 1800 핍 1600 1400 1200 1000 800 600 0 Aug21/20 -May8/23 -Aug18/21. Aug21/20 Aug18/21. Apr10/19 Aug21/20 Aug18/21 May8/23 Aug21/20 Apr23/19 Apr23/19 Aug18/21

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 SOMMERS GENERATOR SALES LTD. Laboratory CALA Sample No. : WC0817952 Received : 29 May 2023 70 PACKHAM AVENUE Lab Number : 30 May 2023 STRATFORD, ON : 02560438 Diagnosed ISO 17025:2017 Accredited Laboratory Unique Number : 5581478 Diagnostician : Kevin Marson CA N4Z 0A6 Test Package : COOL Contact: Pat Devereaux To discuss this sample report, contact Customer Service at 1-800-268-2131. pat.devereaux@sommersgen.com Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. T: (519)655-2396 Validity of results and interpretation are based on the sample and information as supplied. F: (519)655-6881

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Contact/Location: Pat Devereaux - VP756504

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