



COOLANT REPORT

CORROSION	NORMAL
CONTAMINANTS	NORMAL
COOLANT CONDITION	NORMAL

Area

SUNLIFE [33549]

Machine Id

MTU WARRIOR B WATER (S/N 95030500207)

Component

Coolant

Fluid

CONVENTIONAL COOLANT (--- LTR)

RECOMMENDATION

The fluid is suitable for further service. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0767438	WC0817952	WC0817951
Sample Date		Client Info		09 Apr 2024	08 May 2023	08 May 2023
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				NORMAL	ABNORMAL	ABNORMAL

CORROSION

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

Iron	ppm	ASTM D5185(m)	>15	0	2	12
Aluminum	ppm	ASTM D5185(m)	>10	0	2	<1
Copper	ppm	ASTM D5185(m)	>10	<1	2	▲ 25
Lead	ppm	ASTM D5185(m)	>10	0	<1	<1
Tin	ppm	ASTM D5185(m)	>10	0	▲ 53	2
Silver	ppm	ASTM D5185(m)	>10	<1	<1	<1
Zinc	ppm	ASTM D5185(m)	>10	2	11	23

CONTAMINANTS

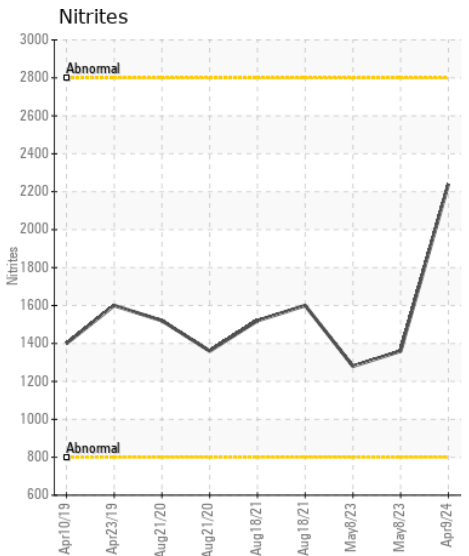
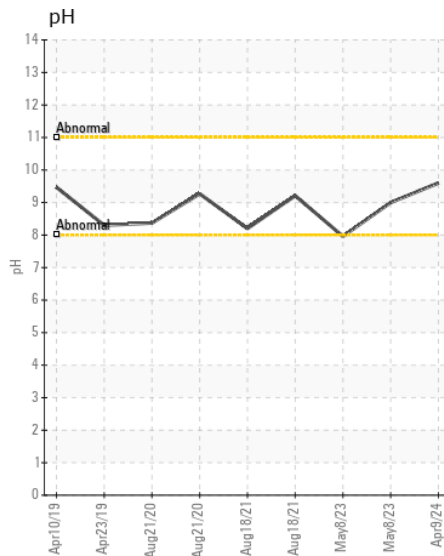
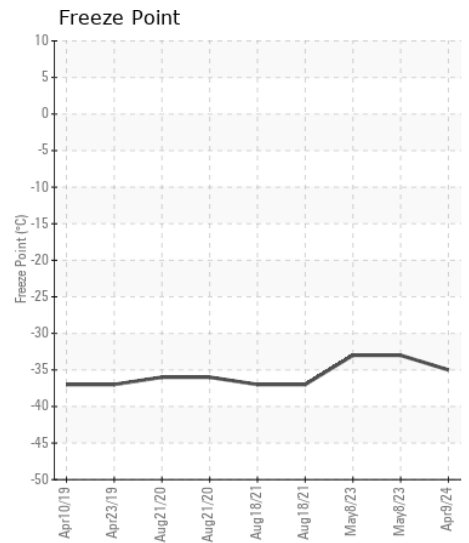
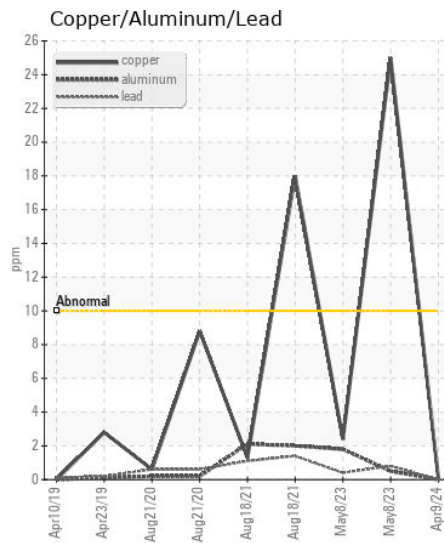
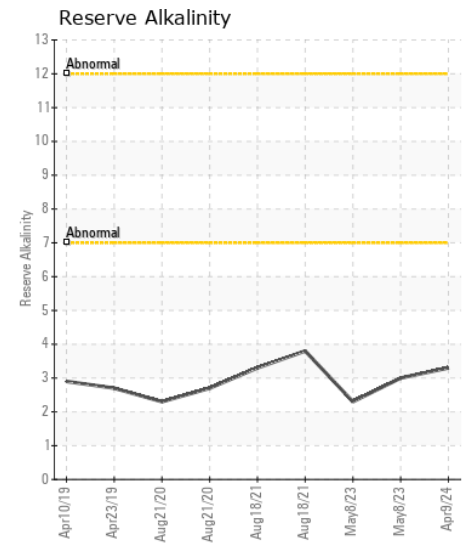
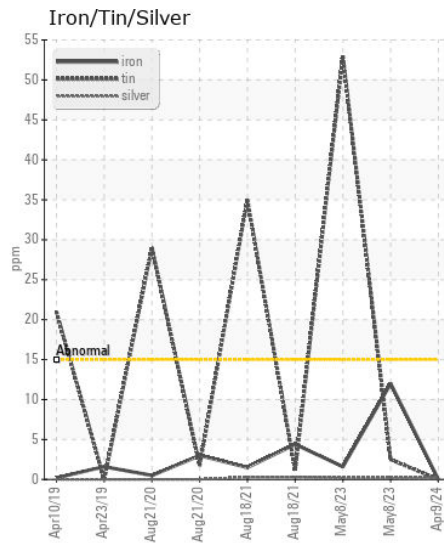
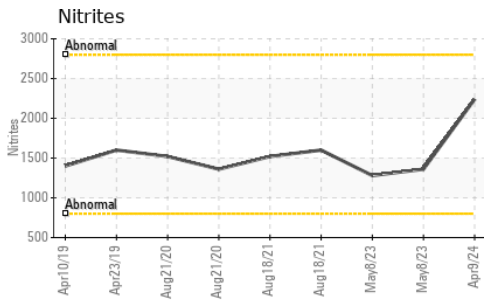
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	5	4	9
Magnesium	ppm	ASTM D5185(m)	>40	2	2	2
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Coolant Appearance		Visual*	Clear	Clear	Clear	Clear

COOLANT CONDITION

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

Boiling Point	°C	WC Method*		107	---	---
Specific Gravity		ASTM D1298*		1.065	1.067	1.067
pH	Scale 0-14	ASTM D1287*	9.5	9.60	9.00	7.96
Nitrites	ppm	Alcan Test Kit*	1500	2240	1360	1280
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	3.3	3.0	2.3
Percentage Glycol	%	ASTM D3321*	50	48.7	49.5	49.7
Freezing Point	°C	ASTM D3321*	-40	-35	-33	-33
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)		28	8	18
Phosphorus	ppm	ASTM D5185(m)		10	16	23
Boron	ppm	ASTM D5185(m)		234	259	246
Molybdenum	ppm	ASTM D5185(m)		0	4	7
Sodium	ppm	ASTM D5185(m)		2118	1530	1535
Potassium	ppm	ASTM D5185(m)		213	169	226
Coolant Color		Visual*	Green	Green	Pink	Orange



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0767438
Lab Number : 02628308
Unique Number : 5761440
Test Package : COOL (Additional Tests: GlycolType)

SOMMERS GENERATOR SALES LTD.
 70 PACKHAM AVENUE
 STRATFORD, ON
 CA N4Z 0A6
 Contact: Pat Devereaux
 pat.devereaux@sommersgen.com
 T: (519)655-2396
 F: (519)655-6881

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.