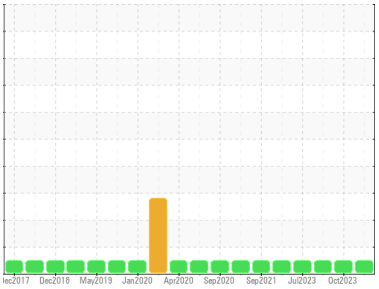
COOLANT REPORT

Sample Rating Trend



NORMAL

Area
Cranes [450255636]
Machine Id
Crane - Fwd Engine Coolant (12 L Tank) (S/N Sample Tag: MA-04003)
Component
Coolant
Fluid
EXTENDED LIFE COOLANT (12 LTR)

DIAGNOSIS

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

Corrosion
All metal levels are normal indicating no corrosion in the cooling 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. The reserve alkalinity of this fluid is acceptable.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**PC0081066**	PC	PC0052596
Sample Date		Client Info		**24 Jan 2024**	04 Oct 2023	12 Aug 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**	NORMAL	NORMAL

PHYSICAL TEST RESULTS		method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*		**1.069**	1.069	1.065
pH	Scale 0-14	ASTM D1287*	9.0	**8.71**	8.63	8.33
Nitrites	ppm	Alcan Test Kit*		**640**	640	720
Reserve Alkalinity	Scale 0-20	ASTM D1121*		**2.8**	2.4	2.0
Percentage Glycol	%	ASTM D3321*	50	**51.6**	51.4	48.6
Freezing Point	°C	ASTM D3321*	-40	**-39**	-38	-31
Boiling Point	°C	WC Method*		**108**	---	---
Carboxylate				**---**	---	---

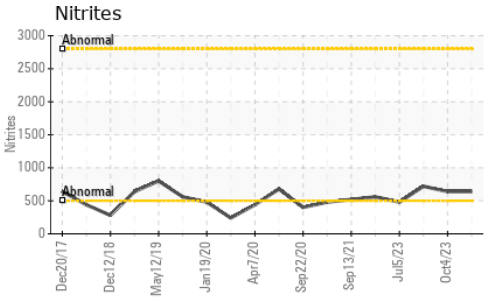
CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		**8**	8	4
Phosphorus	ppm	ASTM D5185(m)		**18**	14	31
Boron	ppm	ASTM D5185(m)		**19**	24	10
Molybdenum	ppm	ASTM D5185(m)		**181**	179	185

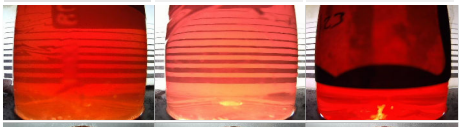
CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	**0**	0	0
Aluminum	ppm	ASTM D5185(m)	>10	**2**	1	<1
Copper	ppm	ASTM D5185(m)	>10	**0**	0	0
Lead	ppm	ASTM D5185(m)	>10	**0**	0	0
Tin	ppm	ASTM D5185(m)	>10	**0**	0	0
Silver	ppm	ASTM D5185(m)	>10	**<1**	<1	<1
Zinc	ppm	ASTM D5185(m)		**1**	0	0

CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		**6308**	5707	5816
Potassium	ppm	ASTM D5185(m)		**8461**	7629	7850

SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	**9**	5	7
Magnesium	ppm	ASTM D5185(m)	>40	**4**	4	3
Hardness	mg/L CaCO3	In-house*	<75	**37**	29	29

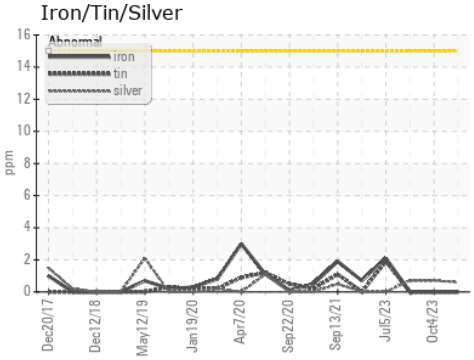
COOLANT REPORT



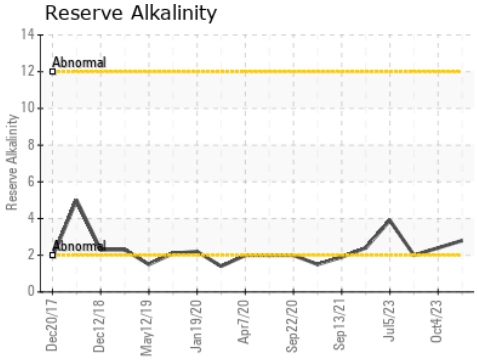
VISUAL		method	limit/base	current	history1	history2
Coolant Color		Visual*	Orange/R	**Orange**	Red	Pink
Coolant Appearance		Visual*	Clear	**Clear**	Clear	Clear
Color						
Bottom						

GRAPHS

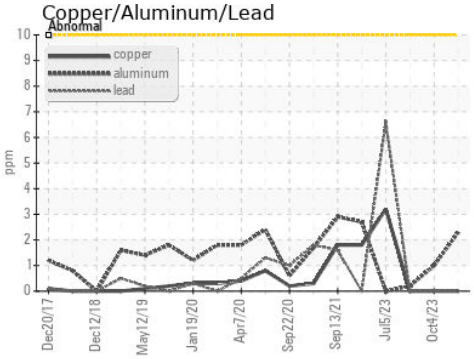
Iron/Tin/Silver



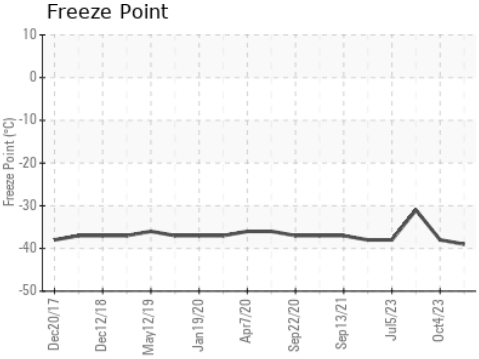
Reserve Alkalinity



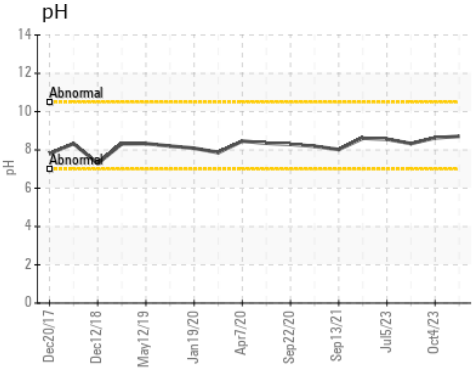
Copper/Aluminum/Lead



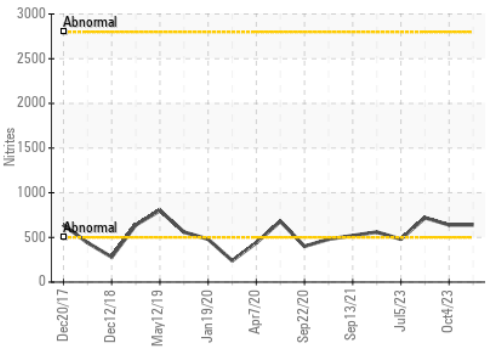
Freeze Point



pH



Nitrites



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0081066 **Received** : 16 Feb 2024
Lab Number : 02616476 **Tested** : 21 Feb 2024
Unique Number : 5733586 **Diagnosed** : 21 Feb 2024 - Kevin Marson
Test Package : COOL (Additional Tests: GlycolType)

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.

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