

COOLANT REPORT

Sample Rating Trend

NORMAL

Area

Cranes

Machine Id

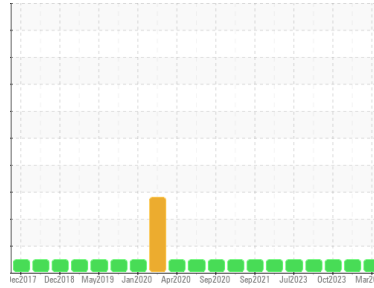
Crane - Fwd Engine Coolant (12 L Tank) (S/N Sample Tag: MA-04003)

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 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			PC	PC0081066	PC
Sample Date	Client Info			20 Mar 2024	24 Jan 2024	04 Oct 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
Glycol Type	FT-IR			UNK	---	---
Specific Gravity	ASTM D1298*			1.068	1.069	1.069
pH	Scale 0-14	ASTM D1287*	9.0	8.30	8.71	8.63
Nitrites	ppm	Alcan Test Kit*		480	640	640
Reserve Alkalinity	Scale 0-20	ASTM D1121*		5.4	2.8	2.4
Percentage Glycol	%	ASTM D3321*	50	50.5	51.6	51.4
Freezing Point	°C	ASTM D3321*	-40	-37	-39	-38
Carboxylate				---	---	---

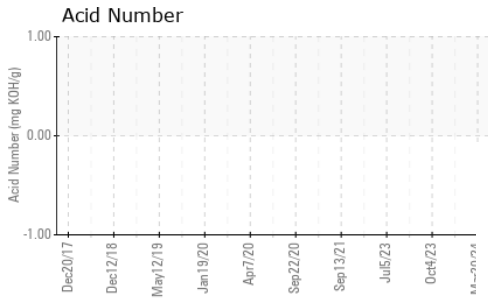
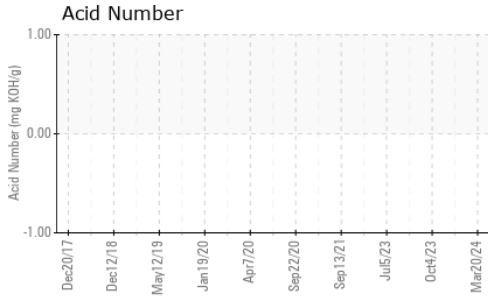
CORROSION INHIBITORS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		3	8	8
Phosphorus	ppm	ASTM D5185(m)		6	18	14
Boron	ppm	ASTM D5185(m)		15	19	24
Molybdenum	ppm	ASTM D5185(m)		179	181	179

CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	0	0	0
Aluminum	ppm	ASTM D5185(m)	>10	1	2	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)		3	1	0

CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)		4781	6308	5707
Potassium	ppm	ASTM D5185(m)		4699	8461	7629

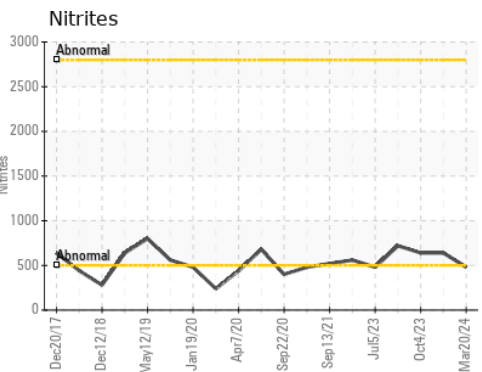
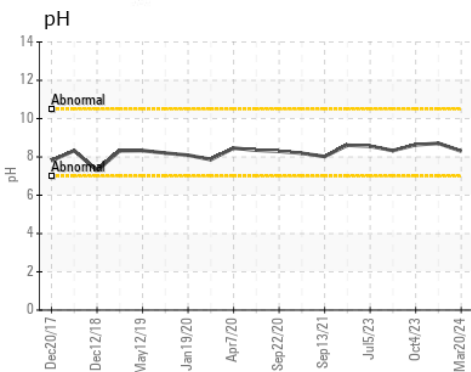
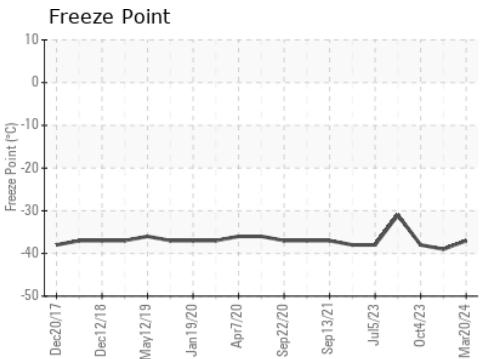
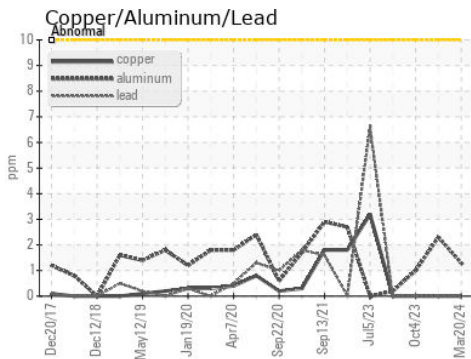
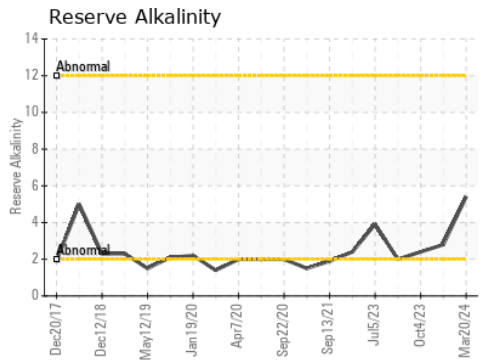
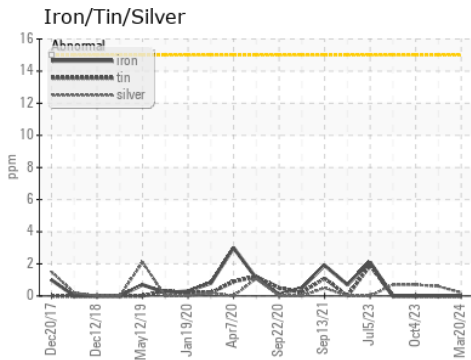
SCALE POTENTIAL		method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m)	>100	10	9	5
Magnesium	ppm	ASTM D5185(m)	>40	5	4	4
Hardness	mg/L CaCO3	In-house*	<75	46	37	29

COOLANT REPORT



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

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC **Received** : 02 Apr 2024
Lab Number : **02626233** **Tested** : 03 Apr 2024
Unique Number : 5759365 **Diagnosed** : 04 Apr 2024 - Kevin Marson
Test Package : COOL (Additional Tests: GlycolType, TAN Auto)

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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.