



POWER SYSTEMS
SYSTÈMES DE PUISSANCE

COOLANT REPORT

CORROSION	NORMAL
CONTAMINANTS	NORMAL
COOLANT CONDITION	NORMAL

Area
SOUTHLAKE HOSPITAL - 2006-22 [273409]

Machine Id
DDC/MTU 2134414 SOUTHLAKE HOSPITAL

Component
Coolant

Fluid
DETROIT DIESEL POWER COOL (--- LTR)

RECOMMENDATION

The coolant change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WA0021248	WA0018704	WA0017926
Sample Date		Client Info		01 May 2024	28 Apr 2023	16 Jun 2022
Machine Age	yrs	Client Info		166	162	158
Oil Age	yrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

CORROSION

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

Iron	ppm	ASTM D5185(m)	>15	<1	<1	<1
Aluminum	ppm	ASTM D5185(m)	>10	1	4	5
Copper	ppm	ASTM D5185(m)	>10	2	4	3
Lead	ppm	ASTM D5185(m)	>10	0	0	<1
Tin	ppm	ASTM D5185(m)	>10	0	0	<1
Silver	ppm	ASTM D5185(m)	>10	<1	0	2
Zinc	ppm	ASTM D5185(m)	>10	1	0	<1

CONTAMINANTS

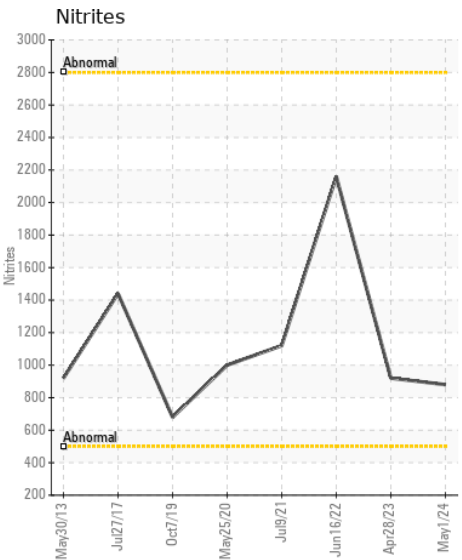
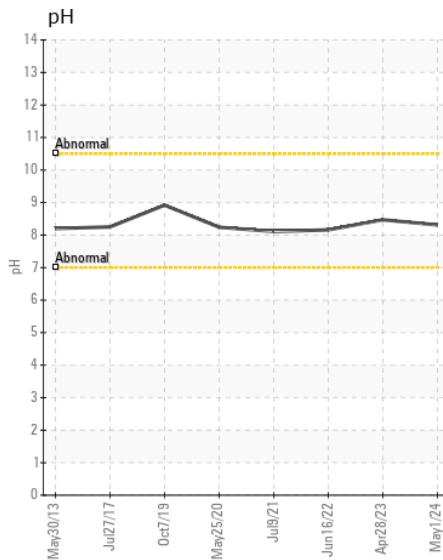
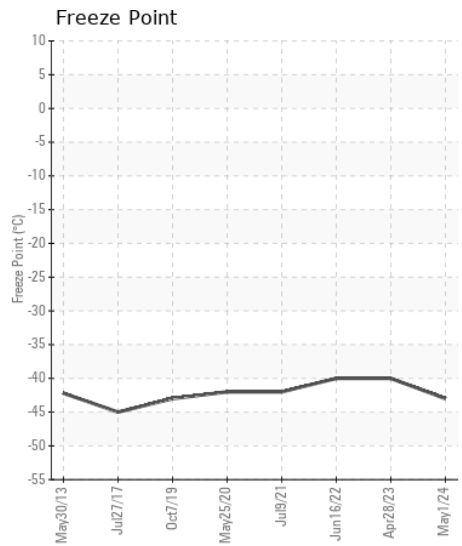
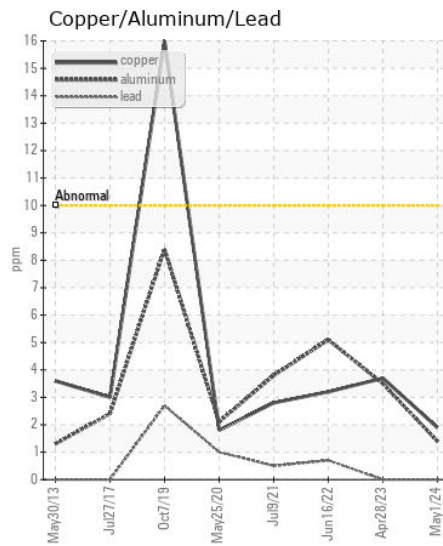
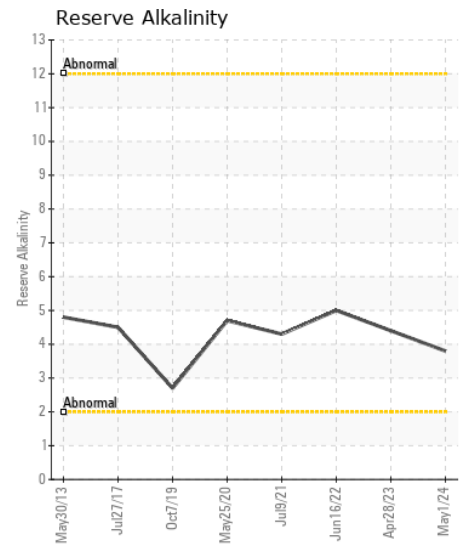
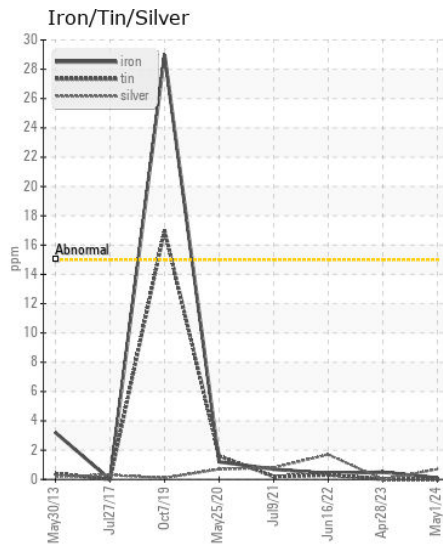
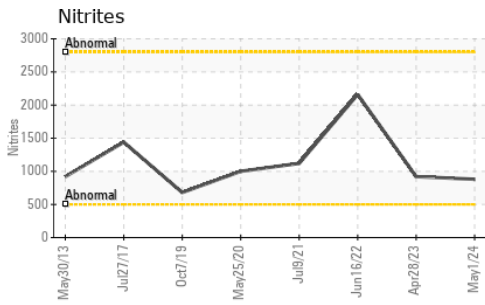
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	2	1	1
Magnesium	ppm	ASTM D5185(m)	>40	1	<1	2
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Coolant Appearance		Visual*	Clear	Cloudy	Cloudy	Clear

COOLANT CONDITION

The coolant is cloudy indicating either an overconcentration of coolant additives, or a mixing of incompatible coolant technologies. The pH level of this fluid is within the acceptable limits. The reserve alkalinity of this fluid is acceptable.

Boiling Point	°C	WC Method*		108	---	---
Specific Gravity		ASTM D1298*		1.073	1.070	1.070
pH	Scale 0-14	ASTM D1287*	9.5	8.31	8.47	8.16
Nitrites	ppm	Alcan Test Kit*	500	880	920	2160
Reserve Alkalinity	Scale 0-20	ASTM D1121*		3.8	4.4	5.0
Percentage Glycol	%	ASTM D3321*	50	54.9	52.8	52.4
Freezing Point	°C	ASTM D3321*	-40	-43	-40	-40
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)	150	26	34	35
Phosphorus	ppm	ASTM D5185(m)	0	591	676	713
Boron	ppm	ASTM D5185(m)	300	11	16	19
Molybdenum	ppm	ASTM D5185(m)		277	337	370
Sodium	ppm	ASTM D5185(m)		2369	1772	1558
Potassium	ppm	ASTM D5185(m)		2405	1834	1769
Coolant Color		Visual*	Pink	Orange	Pink	Pink



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0021248 **Received** : 06 May 2024
Lab Number : 02633676 **Tested** : 06 May 2024
Unique Number : 5774829 **Diagnosed** : 07 May 2024 - Kevin Marson
Test Package : COOL (Additional Tests: GlycolType)

Wajax Power Systems
 10 Diesel Drive
 Toronto, ON
 CA M8W 2T8
 Contact: David Gilkes
 dgilkes@wajax.com
 T: (416)259-3281
 F: (416)251-6191

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.