



POWER SYSTEMS
SYSTÈMES DE PUISSANCE

COOLANT REPORT

CORROSION	NORMAL
CONTAMINANTS	NORMAL
COOLANT CONDITION	NORMAL

Area
TST - CF EXPRESS [255991]
Machine Id
Cummins TST 275kw at 600v
Component
Coolant
Fluid
CONVENTIONAL COOLANT (--- GAL)

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		WA0020678	WA0019311	WA0017476
Sample Date		Client Info		13 Apr 2024	18 Mar 2023	02 Mar 2022
Machine Age	hrs	Client Info		795	758	716
Oil Age	hrs	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	0	2	<1
Aluminum	ppm	ASTM D5185(m)	>10	<1	2	3
Copper	ppm	ASTM D5185(m)	>10	2	4	6
Lead	ppm	ASTM D5185(m)	>10	<1	2	2
Tin	ppm	ASTM D5185(m)	>10	0	0	<1
Silver	ppm	ASTM D5185(m)	>10	<1	<1	2
Zinc	ppm	ASTM D5185(m)	>10	1	2	2

CONTAMINANTS

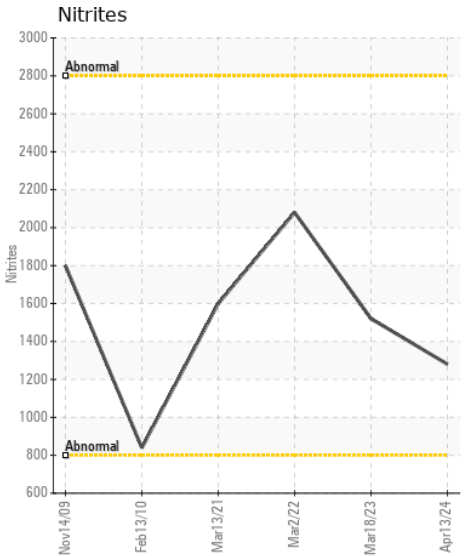
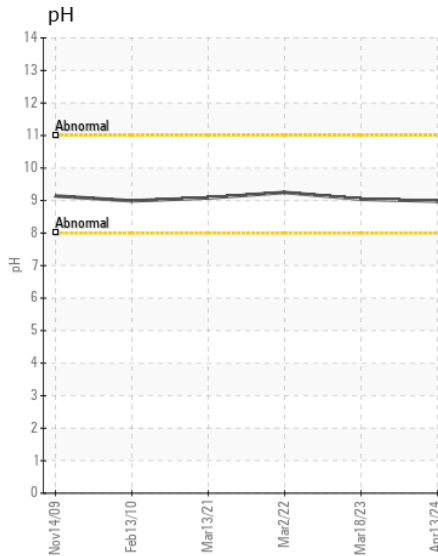
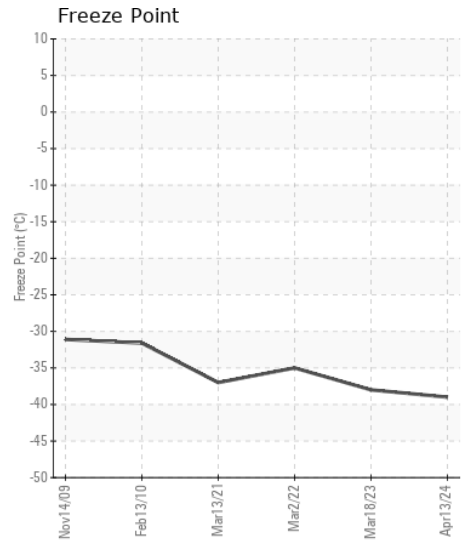
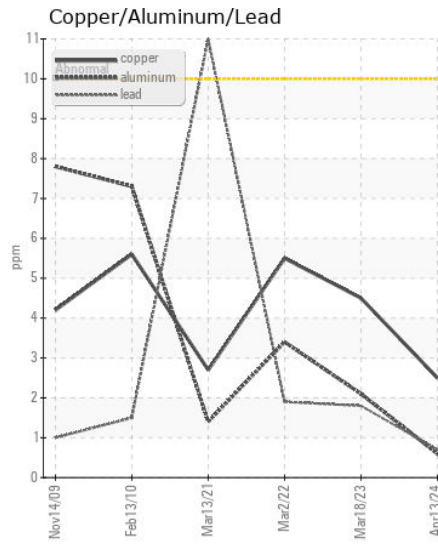
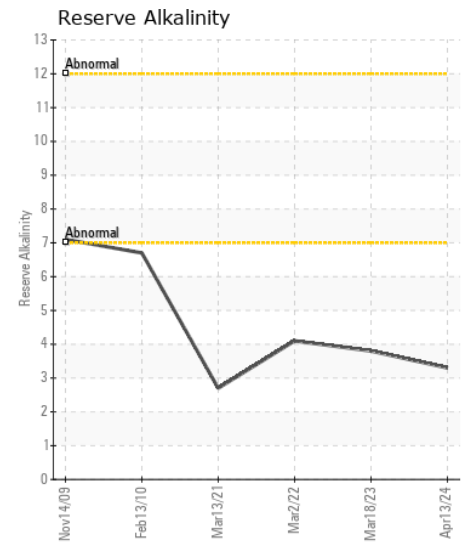
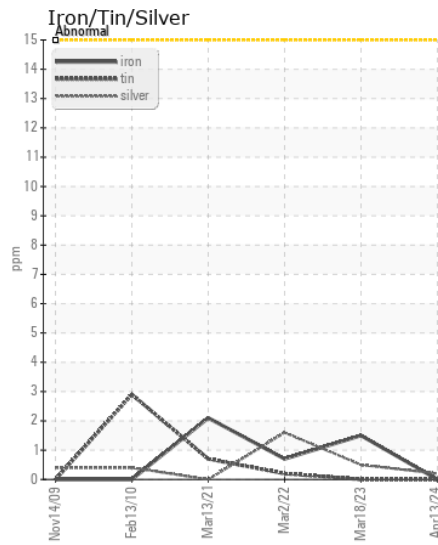
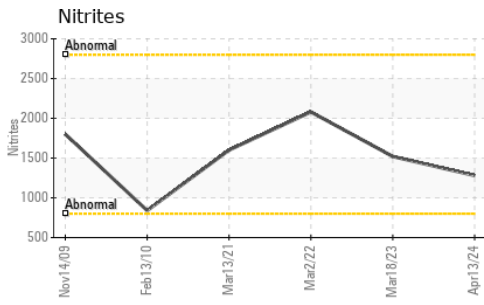
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	<1	8	1
Magnesium	ppm	ASTM D5185(m)	>40	<1	1	1
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*		108	---	---
Specific Gravity		ASTM D1298*		1.069	1.069	1.067
pH	Scale 0-14	ASTM D1287*	9.5	8.98	9.04	9.25
Nitrites	ppm	Alcan Test Kit*	1500	1280	1520	2080
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	3.3	3.8	4.1
Percentage Glycol	%	ASTM D3321*	50	51.7	51.0	50.0
Freezing Point	°C	ASTM D3321*	-40	-39	-38	-35
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)		54	66	68
Phosphorus	ppm	ASTM D5185(m)		382	276	289
Boron	ppm	ASTM D5185(m)		193	215	229
Molybdenum	ppm	ASTM D5185(m)		127	144	167
Sodium	ppm	ASTM D5185(m)		2775	2186	1845
Potassium	ppm	ASTM D5185(m)		1265	1075	1085
Coolant Color		Visual*	Green	Green	Green	Green



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0020678 **Received** : 06 May 2024
Lab Number : 02633690 **Tested** : 06 May 2024
Unique Number : 5774843 **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.