



POWER SYSTEMS
SYSTÈMES DE PUISSANCE

COOLANT REPORT

CORROSION

NORMAL

CONTAMINANTS

NORMAL

COOLANT CONDITION

NORMAL



Area
CF EATON [263440]
Machine Id
CATERPILLAR 35B782
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		WA0020671	WA0019043	WA0017624
Sample Date		Client Info		23 Mar 2024	25 Mar 2023	26 Mar 2022
Machine Age	hrs	Client Info		5162	5142	5124
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	2	4	2
Aluminum	ppm	ASTM D5185(m)	>10	<1	<1	2
Copper	ppm	ASTM D5185(m)	>10	<1	4	2
Lead	ppm	ASTM D5185(m)	>10	3	4	4
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Silver	ppm	ASTM D5185(m)	>10	<1	0	<1
Zinc	ppm	ASTM D5185(m)	>10	2	2	1

CONTAMINANTS

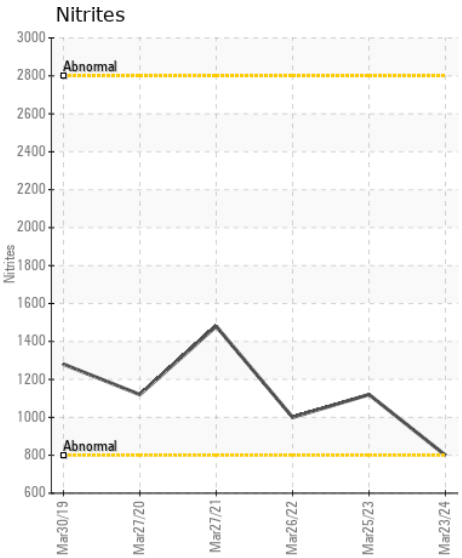
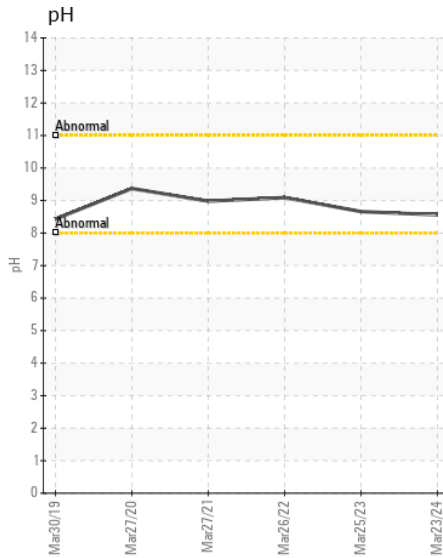
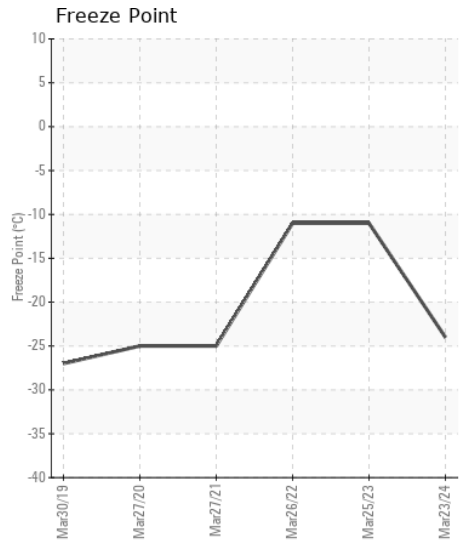
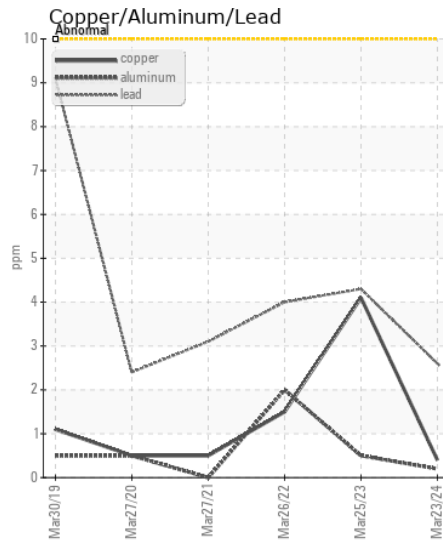
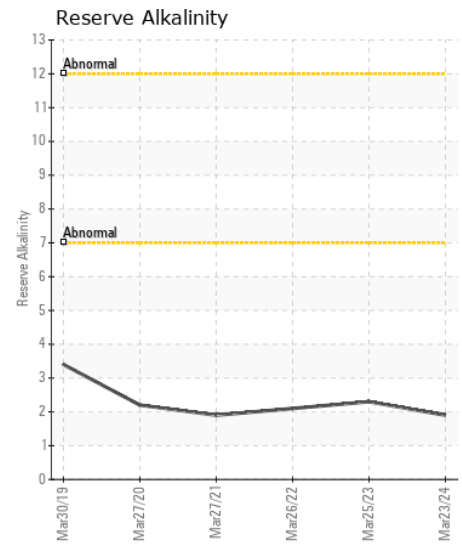
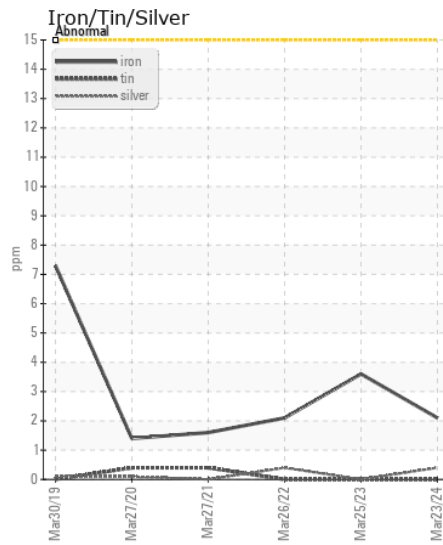
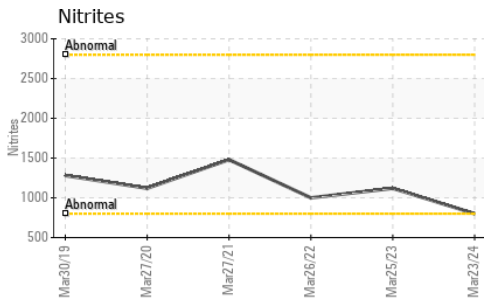
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	10	7	3
Magnesium	ppm	ASTM D5185(m)	>40	2	2	1
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Coolant Appearance		Visual*	Clear	Clear	Cloudy	Clear

COOLANT CONDITION

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

Boiling Point	°C	WC Method*		106	---	---
Specific Gravity		ASTM D1298*		1.053	1.054	1.053
pH	Scale 0-14	ASTM D1287*	9.5	8.56	8.66	9.09
Nitrites	ppm	Alcan Test Kit*	1500	800	1120	1000
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	1.9	2.3	2.1
Percentage Glycol	%	ASTM D3321*	50	39.1	39.7	39.1
Freezing Point	°C	ASTM D3321*	-40	-24	-11	-11
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)		33	36	36
Phosphorus	ppm	ASTM D5185(m)		42	30	19
Boron	ppm	ASTM D5185(m)		173	221	212
Molybdenum	ppm	ASTM D5185(m)		21	21	25
Sodium	ppm	ASTM D5185(m)		1472	1388	1174
Potassium	ppm	ASTM D5185(m)		157	154	121
Coolant Color		Visual*	Green	Green	Grn/Yellow	Grn/Yellow



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0020671
Lab Number : 02633677
Unique Number : 5774830
Test Package : COOL (Additional Tests: GlycolType)
Received : 06 May 2024
Tested : 06 May 2024
Diagnosed : 07 May 2024 - Kevin Marson

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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