



COOLANT REPORT

CORROSION

NORMAL

CONTAMINANTS

NORMAL

COOLANT CONDITION

NORMAL



Area
KANSAS/44/EG - OTHER SERVICE
 Machine Id
41.33W [KANSAS^44^EG - OTHER SERVICE]
 Component
Coolant
 Fluid
CAT EXTENDED LIFE COOLANT (ELC) (--- GAL)

RECOMMENDATION

The fluid is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0833896	WC0712326	WC0584687
Sample Date		Client Info		29 Sep 2023	19 Sep 2022	13 Sep 2021
Machine Age	hrs	Client Info		0	4180	3519
Oil Age	hrs	Client Info		4652	4180	3450
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

CORROSION

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

Iron	ppm	ASTM D6130	>15	<1	0	<1
Aluminum	ppm	ASTM D6130	>10	<1	0	<1
Copper	ppm	ASTM D6130	>10	<1	<1	1
Lead	ppm	ASTM D6130	>10	<1	<1	<1
Tin	ppm	ASTM D6130	>10	1	<1	<1
Zinc	ppm	ASTM D6130	>10	0	<1	<1

CONTAMINANTS

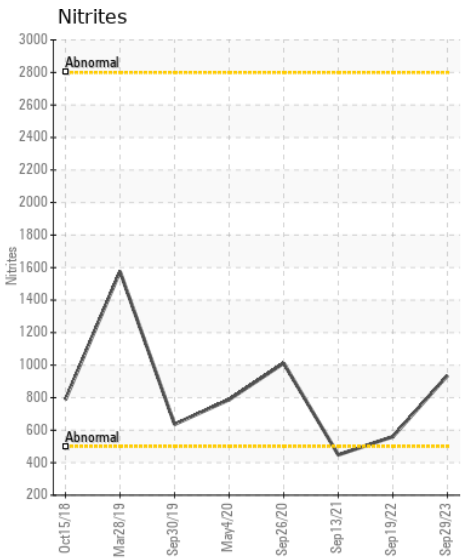
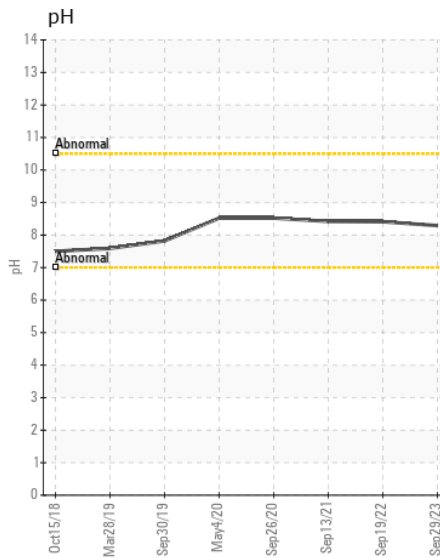
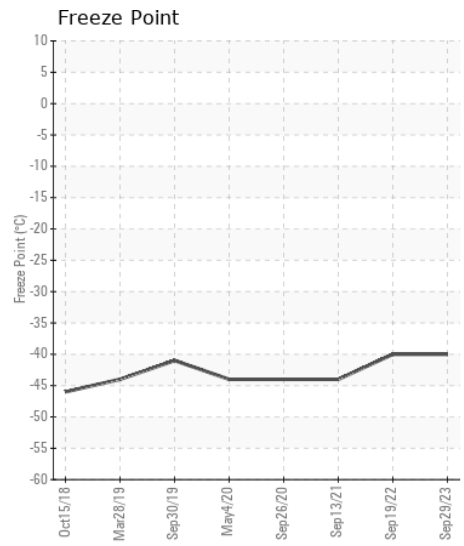
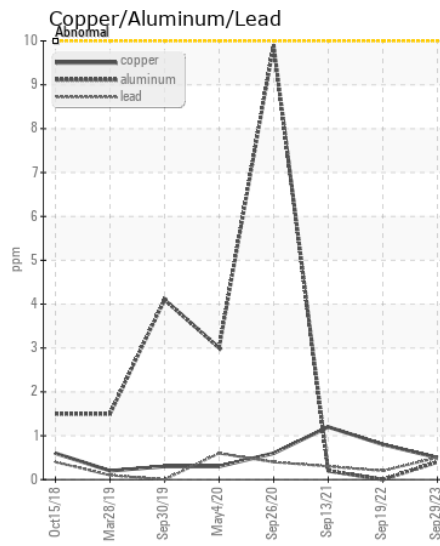
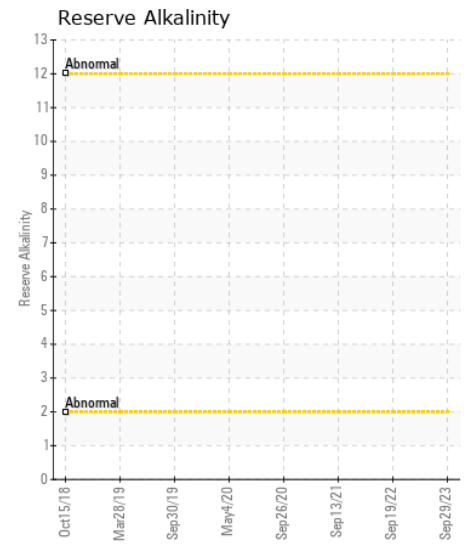
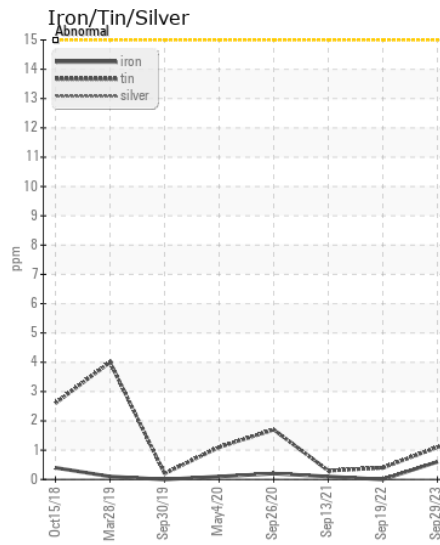
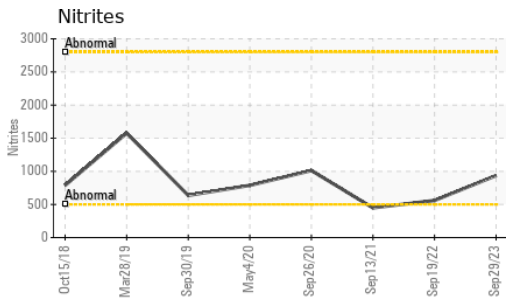
There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D6130		0	2	<1
Chlorine	ppm	ASTM D6130		9	4	3
Magnesium	ppm	ASTM D6130		0	<1	<1
Total Dissolved Solids				371.0	430.5	496.5
Coolant Appearance		*Visual	Clear	normal	normal	normal

COOLANT CONDITION

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

Specific Gravity		*ASTM D1298		1.070	1.070	---
pH	Scale 0-14	ASTM D1287		8.29	8.41	8.42
Nitrites	ppm	AP-053:2009		936	560	448
Reserve Alkalinity	Scale 0-20	*ASTM D1121		---	---	---
Percentage Glycol	%	ASTM D3321		52.0	52.1	52
Freezing Point	°F	ASTM D3321		-40	-40	-44
Carboxylate				pass	pass	pass
Silicon	ppm	ASTM D6130	0	3	28	25
Phosphorus	ppm	ASTM D6130	0	116	128	162
Boron	ppm	ASTM D6130	0	0	<1	0
Molybdenum	ppm	ASTM D6130	950	955	1200	1200
Sodium	ppm	ASTM D6130		4517	3121	3626
Potassium	ppm	ASTM D6130		1431	943	1002
Coolant Color		*Visual		Red	Red	Orange



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0833896 **Received** : 09 Oct 2023
Lab Number : 05973536 **Diagnosed** : 16 Oct 2023
Unique Number : 10685486 **Diagnostician** : Angela Borella
Test Package : COOL- (Additional Tests: COOL, ICP)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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