

# **COOLANT REPORT**

#### Area WCLSNC Machine Id QC COOL ELC NC 09012022 Component

Coolant

CAT EXTENDED LIFE COOLANT (ELC) (--- GAL)

# DIAGNOSIS

# Recommendation

The fluid is suitable for further service.

#### 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 carboxylate level of this fluid is acceptable. Glycol and nitrite levels are acceptable. The pH level of this fluid is within the acceptable limits.



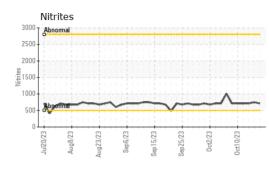


NORMAL

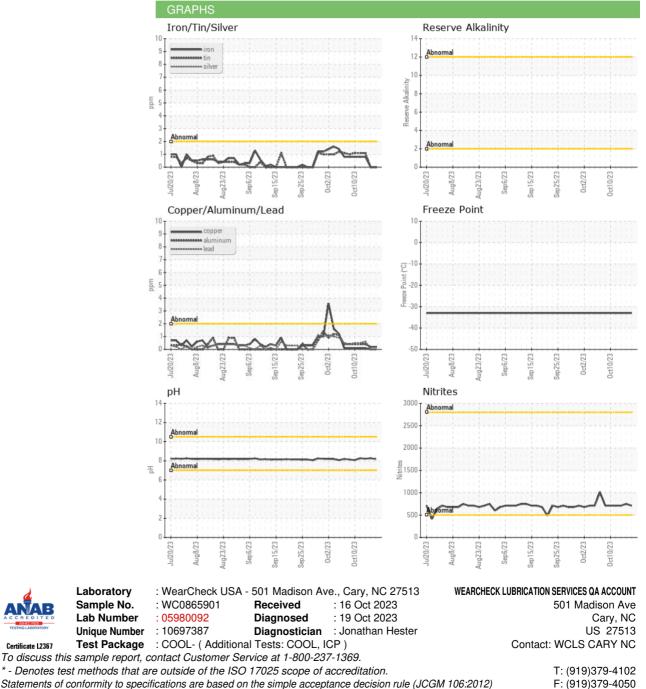
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0865901	WC0865898	WC0865897
Sample Date		Client Info		16 Oct 2023	13 Oct 2023	12 Oct 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
PHYSICAL TEST R	ESULTS	method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298		1.067	1.067	1.067
pН	Scale 0-14	ASTM D1287		8.16	8.27	8.21
Nitrites	ppm	AP-053:2009		712	748	712
Reserve Alkalinity	Scale 0-20	*ASTM D1121				
Percentage Glycol	%	ASTM D3321		49.8	49.7	49.4
Freezing Point	°F	ASTM D3321		-33	-33	-33
Total Dissolved Solids				352.5	300.0	350.5
Carboxylate				pass	fail	fail
CORROSION INH	IBITORS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	0	<1	<1	<1
Phosphorus	ppm	ASTM D6130	0	5	5	1
Boron	ppm	ASTM D6130	0	0	0	0
Molybdenum	ppm	ASTM D6130	950	619	623	808
CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D6130	>2	0	0	<1
Aluminum	ppm	ASTM D6130	>2	<1	<1	<1
Copper	ppm	ASTM D6130	>2	0	0	<1
Lead	ppm	ASTM D6130	>2	0	0	<1
Tin	ppm	ASTM D6130	>2	0	0	1
Zinc	ppm	ASTM D6130	>2	0	0	0
CONTAMINANTS		method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130		0	0	18
CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130		3595	3655	4397
Potassium	ppm	ASTM D6130		0	0	0
SCALE POTENTI	AL	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D6130	>5	<1	<1	0
Magnesium	ppm	ASTM D6130	>6	<1	<1	0



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