



COOLANT REPORT

CORROSION	SEVERE
CONTAMINANTS	NORMAL
COOLANT CONDITION	SEVERE

Area
33 Elm Dr
 Machine Id
NOUNITGTT0001304
 Component
Coolant
 Fluid
CONVENTIONAL COOLANT (--- GAL)

RECOMMENDATION

We recommend drain system, and refill with 50/50 antifreeze water mixture. We advise that you replenish the supplemental coolant additives (SCAs) and add per manufacturer's specifications. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GTT0001304	---	---
Sample Date		Client Info		15 Dec 2023	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Sample Status				SEVERE	---	---

CORROSION

Copper ppm levels are severe. The high metal levels indicate corrosion in the system.

Iron	ppm	ASTM D5185(m)	>15	0	---	---
Aluminum	ppm	ASTM D5185(m)	>10	0	---	---
Copper	ppm	ASTM D5185(m)	>10	85	---	---
Lead	ppm	ASTM D5185(m)	>10	<1	---	---
Tin	ppm	ASTM D5185(m)	>10	0	---	---
Silver	ppm	ASTM D5185(m)	>10	1	---	---
Zinc	ppm	ASTM D5185(m)	>10	1	---	---

CONTAMINANTS

There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	6	---	---
Magnesium	ppm	ASTM D5185(m)	>40	10	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Coolant Appearance		Visual*	Clear	Clear	---	---

COOLANT CONDITION

The reserve alkalinity of this fluid is lower than acceptable. The glycol level is too high which leads to over-heating and additive drop-out. The low nitrite level indicates reduced cavitation protection which leads to corrosion and ammonia formation. The pH level of this fluid is within the acceptable limits.

Specific Gravity		ASTM D1298*		1.089	---	---
pH	Scale 0-14	ASTM D1287*	9.5	9.17	---	---
Nitrites	ppm	Alcan Test Kit*	1500	760	---	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	2.3	---	---
Percentage Glycol	%	ASTM D3321*	50	69.0	---	---
Freezing Point	°C	ASTM D3321*	-40	-66	---	---
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)		2	---	---
Phosphorus	ppm	ASTM D5185(m)		2	---	---
Boron	ppm	ASTM D5185(m)		53	---	---
Molybdenum	ppm	ASTM D5185(m)		0	---	---
Sodium	ppm	ASTM D5185(m)		2056	---	---
Potassium	ppm	ASTM D5185(m)		39	---	---
Coolant Color		Visual*	Green	Green	---	---



Sample No. : GTT0001304 **Recieved** : 03 Jan 2024
Lab Number : 02606376 **Diagnosed** : 16 Jan 2024
Unique Number : 5707462 **Diagnostician** : Bill Quesnel
Test Package : COOL (Additional Tests: KF, KV40, TAN Man)

To discuss this sample report, contact Customer Service at 1-905-847-9300 Ext 26.

Test denoted () outside scope of accreditation, (m) method modified, (e) tested at external lab.*

Damages: Seller shall in no event be liable for special, incidental, or consequential damages, of a commercial nature, resulting from any cause.

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T:
F: