



COOLANT REPORT

CORROSION

NORMAL

CONTAMINANTS

NORMAL

COOLANT CONDITION

SEVERE

Area

USINE EPURATION [510983]

Machine Id

USINEEPURATION

Component

Coolant

Fluid

CONVENTIONAL COOLANT (--- GAL)

RECOMMENDATION

We recommend that you perform a partial drain and top off with straight antifreeze to increase level of glycol. We advise that you replenish the supplemental coolant additives (SCAs) and add per manufacturer's recommendations. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GTT0001573	---	---
Sample Date		Client Info		08 Jan 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Sample Status				SEVERE	---	---

CORROSION

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

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

CONTAMINANTS

There is no indication of any contamination in the coolant.

Calcium	ppm	ASTM D5185(m)	>100	2	---	---
Magnesium	ppm	ASTM D5185(m)	>40	1	---	---
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 low which leads to an increased rate of liner pitting and may be inadequate for freeze protection. 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*		1.044	---	---
pH	Scale 0-14	ASTM D1287*	9.5	8.66	---	---
Nitrites	ppm	Alcan Test Kit*	1500	▲ 600	---	---
Reserve Alkalinity	Scale 0-20	ASTM D1121*	8.5	▲ 6.5	---	---
Percentage Glycol	%	ASTM D3321*	50	● 33.0	---	---
Freezing Point	°C	ASTM D3321*	-40	● 0	---	---
Carboxylate				---	---	---
Silicon	ppm	ASTM D5185(m)		10	---	---
Phosphorus	ppm	ASTM D5185(m)		4374	---	---
Boron	ppm	ASTM D5185(m)		8	---	---
Molybdenum	ppm	ASTM D5185(m)		5	---	---
Sodium	ppm	ASTM D5185(m)		65	---	---
Potassium	ppm	ASTM D5185(m)		11080	---	---
Coolant Color		Visual*	Green	Pink	---	---



Sample No. : GTT0001573 **Recieved** : 09 Jan 2024
Lab Number : 02607658 **Diagnosed** : 16 Jan 2024
Unique Number : 5708744 **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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