

Area
USINE EPURATION [510983]
 Machine Id
USINEEPURATION
 Component
Coolant
 Fluid
CONVENTIONAL COOLANT (--- GAL)



DIAGNOSIS

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.

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 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.

SAMPLE INFORMATION

	method	limit/base	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	---	---

PHYSICAL TEST RESULTS

	method	limit/base	current	history1	history2
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			---	---	---

CORROSION INHIBITORS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	10	---	---
Phosphorus	ppm	ASTM D5185(m)	4374	---	---
Boron	ppm	ASTM D5185(m)	8	---	---
Molybdenum	ppm	ASTM D5185(m)	5	---	---

CORROSION

	method	limit/base	current	history1	history2
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)	0	---	---

CARRIER SALTS



	method	limit/base	current	history1	history2
Sodium	ppm	ASTM D5185(m)	65	---	---
Potassium	ppm	ASTM D5185(m)	11080	---	---

SCALE POTENTIAL

	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D5185(m) >100	2	---	---
Magnesium	ppm	ASTM D5185(m) >40	1	---	---
Hardness	mg/L CaCO3	In-house* <75	9	---	---

VISUAL

	method	limit/base	current	history1	history2
Coolant Color	Visual*	Green	Pink	---	---
Coolant Appearance	Visual*	Clear	Clear	---	---

Color				no image	no image
Bottom				no image	no image

COOLANT REPORT

GRAPHS



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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