

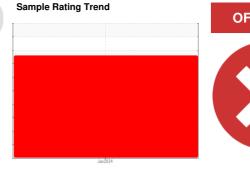
COOLANT REPORT

USINE EPURATION [510983] Machine Id USINEEPURATION

Component

Coolant

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.

				Jan 2024		
SAMPLE INFORM	MATION	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 F	RESULTS	method	limit/base	current	history1	history2
Specific Gravity		ASTM D1298*		1.044		
рН	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 INH	IBITORS	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 POTENTI	AL	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



Navada Ltee Sample No. : GTT0001573 Recieved : 09 Jan 2024 675 rue Herelle Lab Number : 02607658 Diagnosed : 16 Jan 2024 Longueuil, QC Unique Number : 5708744 Diagnostician : Bill Quesnel CA J4G 2M8 Test Package : COOL (Additional Tests: KF, KV40, TAN Man) Contact: Service Manager

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.

Contact/Location: Service Manager - GTT0000261

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