

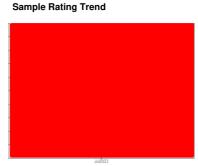
COOLANT REPORT

AURORA [200006927] Machine Id. 38WEA87242 - E04 - V (S/N A5E39737038A)

Component

Coolant

ISENTHAL VARIDOS 45 (--- LTR)





DIAGNOSIS
Recommendation

We recommend drain/flush system, and refill with 50/50 antifreeze water mixture. We advise that you replenish the supplemental coolant additives (SCAs) and add per manufacturer's

recommendations.

Corrosion

The iron level is severe. The aluminum level is severe.

Contaminants

There is no indication of any contamination in the coolant.

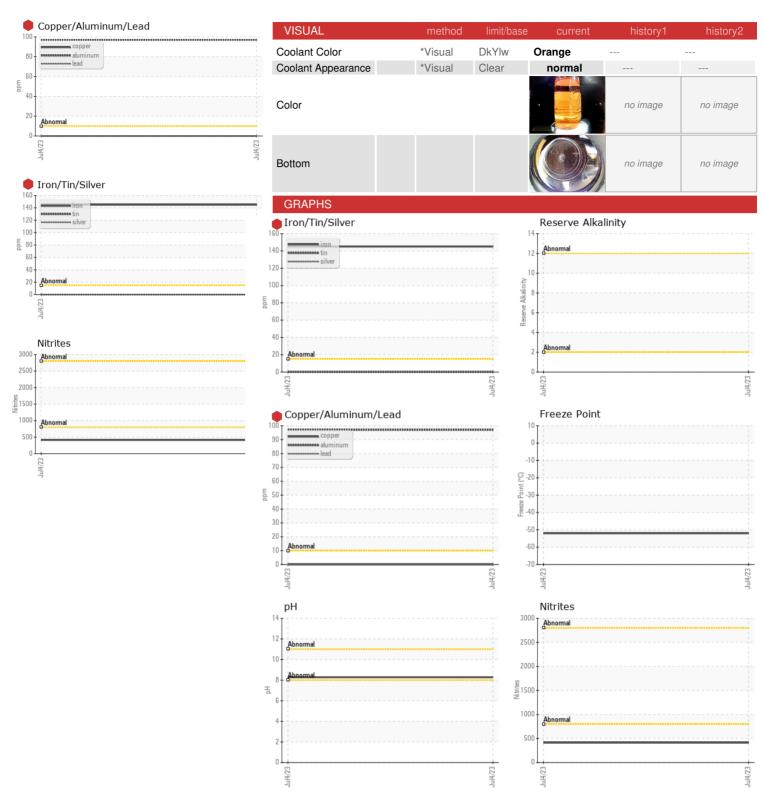
Coolant Condition

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

Machine Age hrs Client Info 21765 Oil Age hrs Client Info 0 Oil Changed Client Info N/A					Jul2023		
Sample Date Client Info 04 Jul 2023 Machine Age hrs Client Info 21765 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 D1288 1.077 PH Scale 0:44 ASTM D1287 8.5 8.27 PH Scale 0:49 "ASTM D1287 8.5 8.27 Reserve Alkalinity Scale 0:20 "ASTM D1287 4.5 57.8 Reserve Alkalinity Scale 0:20 "ASTM D3321 4.5 57.8 Percentage Glycol "A STM D3321 4.5 57.8 Freezing Point "F ASTM D3321 4.5 57.8<	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 21765	Sample Number		Client Info		NX05981598		
Oil Age hrs Client Info N/A	Sample Date		Client Info		04 Jul 2023		
Oil Changed Sample Status	Machine Age	hrs	Client Info		21765		
Sample Status	Oil Age	hrs	Client Info		0		
PHYSICAL TEST RESULTS method limit/base current history1 history2 Specific Gravity "ASTM D1298 1.077 pH Scale 0+14 ASTM D1287 8.5 8.27 Nitrites ppm AP-053:2009 260 412 Reserve Alkalinity Scale 0+20 "ASTM D3321 45 57.8 Percentage Glycol % ASTM D3321 45 57.8 Freezing Point °F ASTM D3321 -24 -52 Total Dissolved Solids 197.5 Carboxylate n/a CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 25 <1	Oil Changed		Client Info		N/A		
Specific Gravity	Sample Status				SEVERE		
Ph	PHYSICAL TEST R	ESULTS	method	limit/base	current	history1	history2
Nitrites	Specific Gravity		*ASTM D1298		1.077		
Reserve Alkalinity	рН	Scale 0-14	ASTM D1287	8.5	8.27		
Percentage Glycol %	Nitrites	ppm	AP-053:2009	260	412		
Freezing Point °F ASTM D3321 -24 -52 Total Dissolved Solids 197.5 Carboxylate n/a CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 25 <1	Reserve Alkalinity	Scale 0-20					
Total Dissolved Solids	,						
Carboxylate n/a CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 25 <1	· ·	°F	ASTM D3321	-24	_		
CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 25 <1	Total Dissolved Solids						
Silicon	Carboxylate				n/a		
Phosphorus ppm ASTM D6130 140 108 Boron ppm ASTM D6130 0 0 Molybdenum ppm ASTM D6130 1075 716 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 145 Aluminum ppm ASTM D6130 >10 97 Copper ppm ASTM D6130 >10 0 Lead ppm ASTM D6130 >10 0 Zinc ppm ASTM D6130 >10 0 Zinc ppm ASTM D6130 111 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 1075 743 <t< th=""><th>CORROSION INH</th><th>BITORS</th><th>method</th><th>limit/base</th><th>current</th><th>history1</th><th>history2</th></t<>	CORROSION INH	BITORS	method	limit/base	current	history1	history2
Boron	Silicon	ppm	ASTM D6130	25	<1		
Molybdenum ppm ASTM D6130 1075 716 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 145 Aluminum ppm ASTM D6130 >10 97 Copper ppm ASTM D6130 >10 0 Lead ppm ASTM D6130 >10 0 Tin ppm ASTM D6130 >10 0 Zinc ppm ASTM D6130 111 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 1075 743 CARRIER SALTS method limit/base current history1 history2 Scale ppm ASTM D6130 5 893 <t< td=""><td>Phosphorus</td><td>ppm</td><td>ASTM D6130</td><td>140</td><td>108</td><td></td><td></td></t<>	Phosphorus	ppm	ASTM D6130	140	108		
CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 145 Aluminum ppm ASTM D6130 >10 97 Copper ppm ASTM D6130 >10 0 Lead ppm ASTM D6130 >10 0 Tin ppm ASTM D6130 >10 0 Zinc ppm ASTM D6130 111 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 1075 743 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 5 893 SCALE POTENTIAL method limit/base current histor	Boron	ppm	ASTM D6130	0	0		
Iron ppm ASTM D6130 >15 145 Aluminum ppm ASTM D6130 >10 97 Copper ppm ASTM D6130 >10 0 Lead ppm ASTM D6130 >10 0 Tin ppm ASTM D6130 >10 0 Zinc ppm ASTM D6130 111 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 1075 743 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 5 893 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 3	Molybdenum	ppm	ASTM D6130	1075	716		
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Copper ppm ASTM D6130 >10 0 Lead ppm ASTM D6130 >10 0 Tin ppm ASTM D6130 >10 0 Zinc ppm ASTM D6130 111 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 25 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 5 893 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 3	Iron	ppm	ASTM D6130	>15	145		
Lead ppm ASTM D6130 >10 0 Tin ppm ASTM D6130 >10 0 Zinc ppm ASTM D6130 111 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 25 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 5 893 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 3	Aluminum	ppm	ASTM D6130	>10	97		
Tin ppm ASTM D6130 >10 0 Zinc ppm ASTM D6130 111 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 25 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 5 893 Potassium ppm ASTM D6130 5 893 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 3	Copper	ppm	ASTM D6130	>10	0		
Zinc ppm ASTM D6130 1111 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 25 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 1075 743 Potassium ppm ASTM D6130 5 893 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 3	Lead	ppm	ASTM D6130	>10	0		
CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 25 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 1075 743 Potassium ppm ASTM D6130 5 893 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 3	Tin	ppm	ASTM D6130	>10	0		
Chlorine ppm ASTM D6130 25 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 1075 743 Potassium ppm ASTM D6130 5 893 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 3	Zinc	ppm	ASTM D6130		111		
CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 1075 743 Potassium ppm ASTM D6130 5 893 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 3	CONTAMINANTS		method	limit/base	current	history1	history2
Sodium ppm ASTM D6130 1075 743 Potassium ppm ASTM D6130 5 893 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 3	Chlorine	ppm	ASTM D6130		25		
Potassium ppm ASTM D6130 5 893 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 3	CARRIER SALTS		method	limit/base	current	history1	history2
Potassium ppm ASTM D6130 5 893 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 3	Sodium	ppm	ASTM D6130	1075	743		
Calcium ppm ASTM D6130 3	Potassium		ASTM D6130	5	893		
	SCALE POTENTI	AL _	method	limit/base	current	history1	history2
	Calcium	ppm	ASTM D6130		3		
	Magnesium		ASTM D6130				



COOLANT REPORT





Certificate L2367

Laboratory Sample No. Lab Number Unique Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : NX05981598 : 05981598

: 10698893 Test Package : COOL- (Additional Tests: COOL, ICP)

Received : 17 Oct 2023 Diagnosed Diagnostician : Jonathan Hester

: 30 Oct 2023

NORDEX USA - Chicago 300 SOUTH WACKER DRIVE, SUITE 1500 CHICAGO, IL

US 60606 Contact: DEVIN LINEHAN DLinehan@nordex-online.com

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To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

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