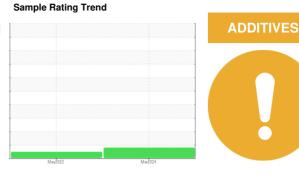


COOLANT REPORT

THUNDER SPIRIT [200005313] 23WEA84007 - CONVERTER (S/N EWP00683)

Coolant

EXTENDED LIFE COOLANT (--- QTS)



Recommendation

The fluid is suitable for further service.

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

Contaminants

There is no indication of any contamination in the coolant.

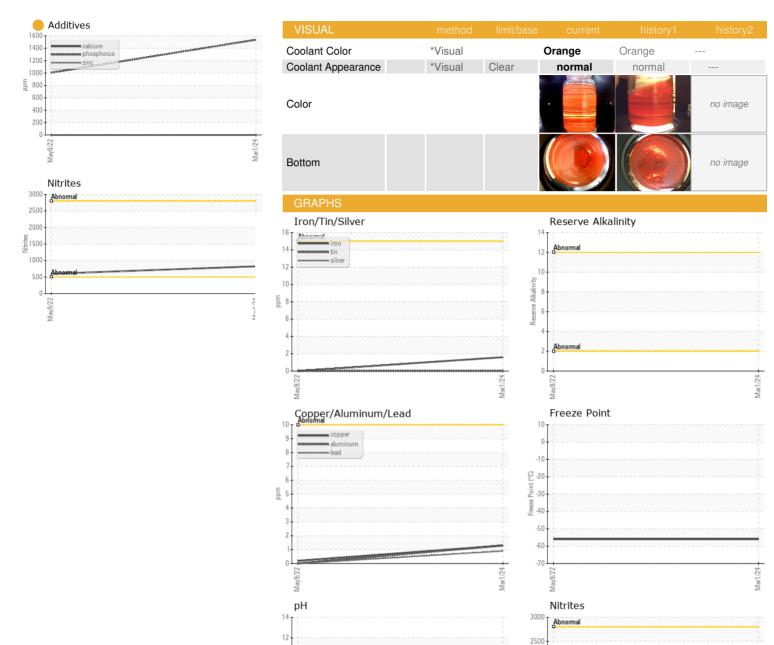
Coolant Condition

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

Sample Number Client Info NX014745 NX011205 Sample Date Client Info 01 Mar 2024 09 May 2022 Machine Age hrs Client Info 58535 0 Oil Age hrs Client Info 0 0 Oil Changed Client Info N/A N/A Sample Status ATTENTION NORMAL PHYSICAL TEST RESULTS method Imitives current history1 history2 Glycol Type FT-IR Specific Gravity "ASTM D1287 7.84 7.81 PhH Scale 0-14 ASTM D1287 7.84 7.81 Nitrites ppm AP-0532009 824 600 Reserve Alkalinity Scale 0-14 ASTM D3321 59.2 59.5 Freezing Point "F ASTM D3321 59	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Date Client Info Machine Age hrs Client Info 58535 0 0 0 0 0 0 0 0 0							
Machine Age hrs Client Info 58535 0							
Oil Age hrs Client Info N/A N/A N/A Sample Status Client Info N/A N/A N/A PHYSICAL TEST RESULTS method limit/base current history1 history2 Glycol Type FT-I-R Specific Gravity "ASTM D1298 1.079 1.079 PH Scale 0-14 ASTM D1287 7.84 7.81 PH Scale 0-20 "ASTM D1287 7.84 7.81 Reserve Alkalinity Scale 0-20 "ASTM D1121 Percentage Glycol % ASTM D3321 55.2 59.5 Freezing Point °F ASTM D3321 -56 -56 Total Dissolved Solids 339.0 312.5 Carboxylate n/a n/a n/a Silicon ppm ASTM D6130 1537 1005 Silicon	•	hrs					
Oil Changed Sample Status Client Info N/A N/A N/A PHYSICAL TEST RESULTS method limit/base current history1 history2 Glycol Type FT-IR Specific Gravity 'ASTM D1288 1.079 1.079 PH Scale 0-14 ASTM D1287 7.84 7.81 Nitrites ppm AP-0532009 824 600 Reserve Alkalinity Scale 0-20 "ASTM D1121 Percentage Glycol % ASTM D3321 <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>							
Sample Status	•	0			-		
PHYSICAL TEST RESULTS method limit/base current history1 history2	-		Onorie iriio				
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Specific Gravity		ESULIS		IIIIIIVDase	Current	, , , , , , , , , , , , , , , , , , ,	
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Reserve Alkalinity	•						
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Freezing Point °F ASTM D3321 -56 -56 Total Dissolved Solids 339.0 312.5 Carboxylate n/a n/a CORROSION INHIBITORS method limit/base current bilstory1 history2 Silicon ppm ASTM D6130 8 16 Phosphorus ppm ASTM D6130 1537 1005 Boron ppm ASTM D6130 254 420 Molybdenum ppm ASTM D6130 3 2 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 2 0 Aluminum ppm ASTM D6130 >10 1 <1	•						
Total Dissolved Solids							
Carboxylate n/a n/a CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 8 16 Phosphorus ppm ASTM D6130 254 420 Boron ppm ASTM D6130 254 420 Molybdenum ppm ASTM D6130 254 420 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 2 0 Aluminum ppm ASTM D6130 >10 1 0 Copper ppm ASTM D6130 >10 1 <1	Freezing Point	°F	ASTM D3321			-56	
CORROSION INHIBITORS method limit/base current history1 history2 Silicon ppm ASTM D6130 8 16 Phosphorus ppm ASTM D6130 254 420 Boron ppm ASTM D6130 3 2 Molybdenum ppm ASTM D6130 >15 2 0 CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 2 0 Aluminum ppm ASTM D6130 >10 1 0 Aluminum ppm ASTM D6130 >10 1 <1	Total Dissolved Solids				339.0	312.5	
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CORROSION method limit/base current history1 history2 Iron ppm ASTM D6130 >15 2 0 Aluminum ppm ASTM D6130 >10 1 0 Copper ppm ASTM D6130 >10 1 <1	Boron	ppm	ASTM D6130		254	420	
Iron ppm ASTM D6130 >15 2 0 Aluminum ppm ASTM D6130 >10 1 0 Copper ppm ASTM D6130 >10 1 <1	Molybdenum	ppm	ASTM D6130		<u> </u>	2	
Aluminum ppm ASTM D6130 >10 1 0 Copper ppm ASTM D6130 >10 1 <1	CORROSION		method	limit/base	current	history1	history2
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Lead ppm ASTM D6130 >10 <1 0 Tin ppm ASTM D6130 >10 0 0 Zinc ppm ASTM D6130 0 0 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 18 0 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 355 327 Potassium ppm ASTM D6130 4302 2332 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 >100 <1	Aluminum	ppm	ASTM D6130	>10	1	0	
Lead ppm ASTM D6130 >10 <1 0 Tin ppm ASTM D6130 >10 0 0 Zinc ppm ASTM D6130 0 0 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 18 0 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 355 327 Potassium ppm ASTM D6130 4302 2332 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 >100 <1	Copper	ppm	ASTM D6130	>10	1	<1	
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Zinc ppm ASTM D6130 0 0 CONTAMINANTS method limit/base current history1 history2 Chlorine ppm ASTM D6130 18 0 CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 355 327 Potassium ppm ASTM D6130 4302 2332 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 >100 <1 0 Magnesium ppm ASTM D6130 >40 <1 <1			ASTM D6130	>10	0	0	
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CARRIER SALTS method limit/base current history1 history2 Sodium ppm ASTM D6130 355 327 Potassium ppm ASTM D6130 4302 2332 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 >100 <1 0 Magnesium ppm ASTM D6130 >40 <1 <1	CONTAMINANTS		method	limit/base	current	history1	history2
Sodium ppm ASTM D6130 355 327 Potassium ppm ASTM D6130 4302 2332 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 >100 <1	Chlorine	ppm	ASTM D6130		18	0	
Potassium ppm ASTM D6130 4302 2332 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 >100 <1	CARRIER SALTS		method	limit/base	current	history1	history2
Potassium ppm ASTM D6130 4302 2332 SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 >100 <1	Sodium	maa	ASTM D6130		355	327	
SCALE POTENTIAL method limit/base current history1 history2 Calcium ppm ASTM D6130 >100 <1							
Calcium ppm ASTM D6130 >100 <1 0 Magnesium ppm ASTM D6130 >40 <1 <1				limit/base	current	history1	history2
Magnesium ppm ASTM D6130 >40 <1							
1.0							
	Hardness	mg/L CaCO3	*In-house	<75	1		



COOLANT REPORT







Certificate 12367

Laboratory Sample No.

: NX014745 Lab Number : 06123283 Unique Number : 10937434

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

Received **Tested** Diagnosed

: 19 Mar 2024 : 23 Jul 2024 : 23 Jul 2024 - Doug Bogart

1000 500

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

Test Package : COOL- (Additional Tests: GlycolType, HARDNESS, ICP) Contact: DEVIN LINEHAN DLinehan@nordex-online.com

T: (312)386-4124

Contact/Location: DEVIN LINEHAN - NORDEX

* - 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)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

F: (312)386-7102

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