

CORROSION
CONTAMINANTS
COOLANT CONDITION

NORMAL NORMAL

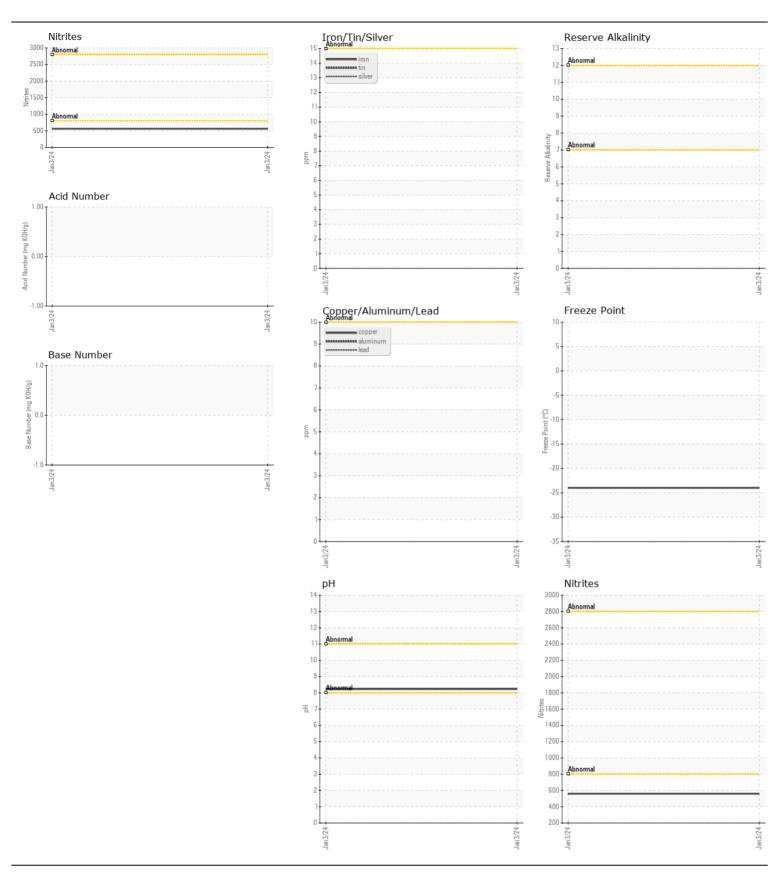
Machine Id

E-3 - RICHLAND CREEK

Component Coolant

Q8 PRECOOL 4060 (--- GAL)

Coolant Appearance *Visual Clear normal CONTAMINANTS Specific Gravity *ASTM D1298 1.062 There is no indication of any contamination in the coolant. pH	Sample Number Client Info WC0880389 Sample Date Client Info 03 Jan 2024 Machine Age hrs Client Info 48310 Oil Age hrs Client Info 0 Oil Changed Client Info N/A Sample Status NORMAL Coolant Appearance *Visual Clear normal Coolant Appearance *Visual Clear normal Nitrites ppm AP-053:2009 560 Percentage Glycol % ASTM D1291 45.9 Freezing Point °F ASTM D3321 45.9 Carboxylate N/a Third Info N/A Carboxylate N/a Third Info N/A Carboxylate N/a Third Info N/A Oil Age hrs Client Info N/A Oil Age hrs Client Info N/A Oil Age hrs Client Info N/A Oil Changed Salto Info N/A Oil Changed Client Info N/A Oil Changed Client Info N/A Oil Changed Client Info N/A Oil Changed Salto Info								
Sample Date Client Info 03 Jan 2024 Machine Age hrs Client Info 48310	Sample Date Client Info 03 Jan 2024 Machine Age hrs Client Info 48310 Oil Age hrs Client Info 0 Oil Changed Client Info N/A Sample Status NORMAL Colant Appearance *Visual Clear normal Colont Aminants Specific Gravity *ASTM D1298 1.062 Nitrites ppm AP-053:2009 560 Reserve Alkalinity Scale 0.20 *ASTM D1321 45.9 Freezing Point °F ASTM D3321 -24 Carboxylate n/a	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Machine Age hrs Client Info 48310	Machine Age hrs Client Info 48310 Oil Age hrs Client Info 0 Oil Changed Client Info N/A Sample Status NORMAL Colant Appearance *Visual Clear normal CONTAMINANTS Specific Gravity *ASTM D1298 1.062 There is no indication of any contamination in the coolant. PH Scale 0-14 ASTM D1287 8.23 Nitrites ppm AP-053:2009 560 Percentage Glycol % ASTM D1321 45.9 Freezing Point °F ASTM D3321 45.9 Carboxylate n/a	The fluid is suitable for further service.	Sample Number		Client Info		WC0880389		
Oil Age hrs Client Info O Oil Changed Client Info N/A Sample Status NORMAL CORROSION Total Dissolved Solids Coolant Appearance *Visual Clear normal CONTAMINANTS Specific Gravity *ASTM D1298 1.062 There is no indication of any contamination in the coolant. PH Scale 0-14 ASTM D1287 8.23 Reserve Alkalinity Scale 0-20 *ASTM D1212 Percentage Glycol % ASTM D3321 45.9 Freezing Point °F ASTM D3321 45.9 Carboxylate n/a	Oil Age hrs Client Info O Oil Changed Sample Status NORMAL Sample Status NORMAL CORROSION Total Dissolved Solids 349.0 Coolant Appearance *Visual Clear normal CONTAMINANTS Specific Gravity *ASTM D1298 1.062 There is no indication of any contamination in the coolant. pH Scale 0-14 ASTM D1287 8.23 Nitrites ppm AP-053:2009 560 Reserve Alkalinity Scale 0-20 *ASTM D1121 Percentage Glycol % ASTM D3321 45.9 Freezing Point °F ASTM D3321 -24 Carboxylate n/a		Sample Date		Client Info		03 Jan 2024		
Oil Changed Client Info N/A Sample Status NORMAL CORROSION Total Dissolved Solids 349.0 Coolant Appearance *Visual Clear normal CONTAMINANTS Specific Gravity *ASTM D1298 1.062 There is no indication of any contamination in the coolant. PH Scale 0-14 ASTM D1287 8.23 Nitrites ppm AP-053:2009 560 Reserve Alkalinity Scale 0-20 *ASTM D1212 Percentage Glycol % ASTM D3321 45.9 Freezing Point °F ASTM D3321 -24 Carboxylate n/a	Oil Changed Client Info N/A Sample Status NORMAL CORROSION Total Dissolved Solids 349.0 Coolant Appearance *Visual Clear normal CONTAMINANTS Specific Gravity *ASTM D1298 1.062 There is no indication of any contamination in the coolant. PH Scale 0.14 ASTM D1287 8.23 Nitrites ppm AP-053:2009 560 Reserve Alkalinity Scale 0.20 *ASTM D1321 45.9 Freezing Point °F ASTM D3321 45.9 Carboxylate n/a		Machine Age	hrs	Client Info		48310		
CORROSION Total Dissolved Solids 349.0 CONTAMINANTS Specific Gravity *ASTM D1298 1.062 There is no indication of any contamination in the coolant. PH	Sample Status NORMAL		Oil Age	hrs	Client Info		0		
Total Dissolved Solids 349.0 Coolant Appearance *Visual Clear normal CONTAMINANTS Specific Gravity *ASTM D1298 1.062 There is no indication of any contamination in the coolant. pH Scale 0.14 ASTM D1287 8.23 Reserve Alkalinity Scale 0.20 *ASTM D1121 Percentage Glycol % ASTM D3321 45.9 Freezing Point °F ASTM D3321 -24 Carboxylate n/a	Total Dissolved Solids 349.0 Coolant Appearance *Visual Clear normal CONTAMINANTS Specific Gravity *ASTM D1298 1.062 There is no indication of any contamination in the coolant. pH Scale 0.14 ASTM D1287 8.23 Nitrites ppm AP-053:2009 560 Reserve Alkalinity Scale 0.20 *ASTM D1121 Percentage Glycol % ASTM D3321 45.9 Freezing Point °F ASTM D3321 -24 Carboxylate n/a		Oil Changed		Client Info		N/A		
Coolant Appearance *Visual Clear normal CONTAMINANTS Specific Gravity *ASTM D1298 1.062 There is no indication of any contamination in the coolant. pH Scale 0-14 ASTM D1287 8.23 Reserve Alkalinity Scale 0-20 *ASTM D1121 Percentage Glycol % ASTM D3321 45.9 Freezing Point °F ASTM D3321 -24 Carboxylate n/a	Coolant Appearance *Visual Clear normal CONTAMINANTS Specific Gravity *ASTM D1298 1.062 There is no indication of any contamination in the coolant. pH Scale 0-14 ASTM D1287 8.23 Nitrites ppm AP-053:2009 560 Reserve Alkalinity Scale 0-20 *ASTM D1121 Percentage Glycol % ASTM D3321 45.9 Freezing Point °F ASTM D3321 -24 Carboxylate n/a		Sample Status				NORMAL		
Specific Gravity *ASTM D1298 1.062 There is no indication of any contamination in the coolant. pH Scale 0-14 ASTM D1287 8.23 Nitrites ppm AP-053:2009 560 Reserve Alkalinity Scale 0-20 *ASTM D1121 Percentage Glycol % ASTM D3321 45.9 Freezing Point °F ASTM D3321 -24 Carboxylate n/a	Specific Gravity *ASTM D1298 1.062 There is no indication of any contamination in the coolant. pH Scale 0-14 ASTM D1287 8.23 Nitrites ppm AP-053:2009 560 Reserve Alkalinity Scale 0-20 *ASTM D1121 Percentage Glycol % ASTM D3321 45.9 Freezing Point °F ASTM D3321 -24 Carboxylate n/a	CORROSION	Total Dissolved Solids				349.0		
There is no indication of any contamination in the coolant. pH Scale 0-14 ASTM D1287 8.23 Nitrites ppm AP-053:2009 560 Reserve Alkalinity Scale 0-20 *ASTM D1121 Percentage Glycol % ASTM D3321 45.9 Freezing Point °F ASTM D3321 -24 Carboxylate n/a	There is no indication of any contamination in the coolant. pH Scale 0-14 ASTM D1287 8.23 Nitrites ppm AP-053:2009 560 Reserve Alkalinity Scale 0-20 *ASTM D1121 Percentage Glycol % ASTM D3321 45.9 Freezing Point °F ASTM D3321 Carboxylate n/a		Coolant Appearance		*Visual	Clear	normal		
Nitrites ppm AP-053:2009 560 Reserve Alkalinity Scale 0-20 *ASTM D1121 Percentage Glycol % ASTM D3321 45.9 Freezing Point °F ASTM D3321 -24 Carboxylate n/a	Nitrites ppm AP-053:2009 560 Reserve Alkalinity Scale 0-20 *ASTM D1121 Percentage Glycol % ASTM D3321 45.9 Freezing Point °F ASTM D3321 -24 Carboxylate n/a	CONTAMINANTS	Specific Gravity		*ASTM D1298		1 060		
Reserve Alkalinity Scale 0-20 *ASTM D1121 Percentage Glycol % ASTM D3321 45.9 Freezing Point °F ASTM D3321 -24 Carboxylate n/a	Reserve Alkalinity Scale 0-20 *ASTM D1121 Percentage Glycol % ASTM D3321 45.9 Freezing Point °F ASTM D3321 -24 Carboxylate n/a						1.002		
Percentage Glycol % ASTM D3321 45.9 Freezing Point °F ASTM D3321 -24 Carboxylate n/a	Percentage Glycol % ASTM D3321 45.9 Freezing Point °F ASTM D3321 -24 Carboxylate n/a	There is no indication of any contamination in the coolant.	рН	Scale 0-14	ASTM D1287				
Freezing Point °F ASTM D3321 -24 Carboxylate n/a	Freezing Point °F ASTM D3321 -24 Carboxylate n/a	There is no indication of any contamination in the coolant.	•				8.23		
Carboxylate n/a	Carboxylate n/a	There is no indication of any contamination in the coolant.	Nitrites	ppm	AP-053:2009		8.23 560		
		There is no indication of any contamination in the coolant.	Nitrites Reserve Alkalinity	ppm Scale 0-20	AP-053:2009 *ASTM D1121		8.23 560 		
Coolant Color *Visual Pink	Coolant Color *Visual Pink	There is no indication of any contamination in the coolant.	Nitrites Reserve Alkalinity Percentage Glycol	ppm Scale 0-20 %	AP-053:2009 *ASTM D1121 ASTM D3321		8.23 560 45.9	 	
Coolant Color Visual (1 mk		There is no indication of any contamination in the coolant.	Nitrites Reserve Alkalinity Percentage Glycol Freezing Point	ppm Scale 0-20 %	AP-053:2009 *ASTM D1121 ASTM D3321		8.23 560 45.9 -24		





Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: WC0880389 : 06054519

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 08 Jan 2024 Diagnosed : 10 Jan 2024

: 10820468 Diagnostician : Jonathan Hester Test Package : COOL- (Additional Tests: COOL, TAN Man, TBN)

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. CUBE DISTRICT ENERGY - MAS GEORGIA LFG PLANT SITE 5691 S RICHLAND CREEK RD BUFORD, GA

US 30518

Contact: RYAN INGALLS ryan.ingalls@cubedistrictenergy.com

T: F:

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