COOLANT REPORT

Sample Rating Trend





Area KANSAS/44/EG - EXCAVATOR 20.210L [KANSAS^44^EG - EXCAVATOR] Component Radiator Coolant

CAT DIESEL ENGINE COOLANT (DEAC) (--- GAL)

	GAL)					
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0918406		
Sample Date		Client Info		01 Apr 2024		
Machine Age	hrs	Client Info		9		
Oil Age	hrs	Client Info		9		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method		NEG		
PHYSICAL TEST R	RESULTS	method	limit/base	current	history1	history2
Glycol Type		FT-IR				
Specific Gravity		*ASTM D1298		1.077		
рН	Scale 0-14	ASTM D1287		8.34		
Nitrites	ppm	AP-053:2009		864		
Reserve Alkalinity	Scale 0-20	*ASTM D1121				
Percentage Glycol	%	ASTM D3321		57.9		
Freezing Point	°F	ASTM D3321		-52		
Total Dissolved Solids				366.5		
Carboxylate				fail		
CORROSION INHI	IBITORS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	120	4		
Phosphorus	ppm	ASTM D6130	0	<1		
Boron	ppm	ASTM D6130		0		
Molybdenum	ppm	ASTM D6130	310	933		
CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D6130		0		
Aluminum	ppm	ASTM D6130		0		
Copper	ppm	ASTM D6130		<1		
Lead	ppm	ASTM D6130		<1		
Tin	ppm	ASTM D6130		<1		
Zinc	ppm	ASTM D6130		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130		31		
CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130		5379		
Potassium	ppm	ASTM D6130		40		
SCALE POTENTI	AL	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D6130		7		
Magnesium	ppm	ASTM D6130		6		
magnoolain	PPIII	10111100100		U		

DIAGNOSIS

Recommendation

The fluid is suitable for further service.

Wear

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

Contamination

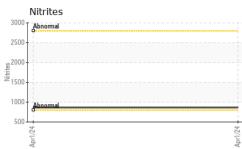
There is no indication of any contamination in the coolant.

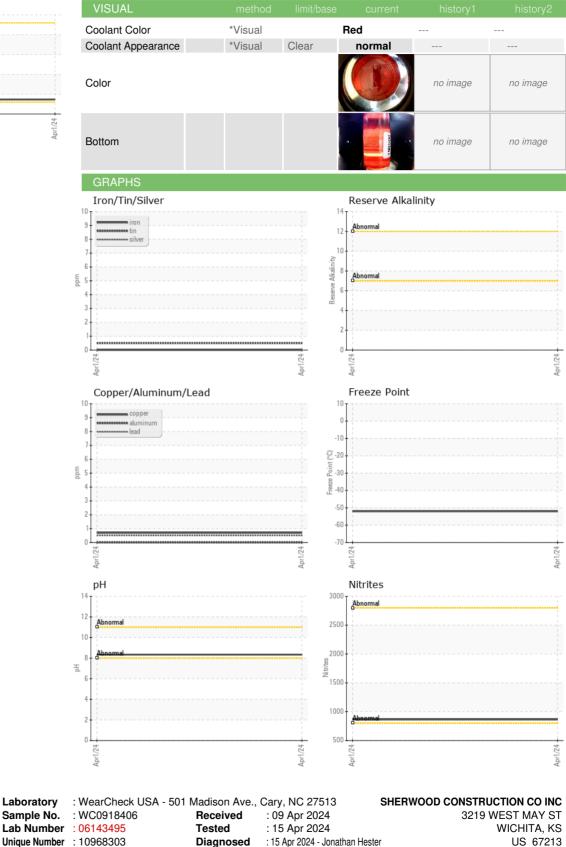
Fluid Condition

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



COOLANT REPORT







Unique Number : 10968303 Diagnosed : 15 Apr 2024 - Jonathan Hester Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP) Contact: BILL ORCUTT Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. william.orcutt@wildcat.net * - 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)

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