

COOLANT REPORT

Sample Rating Trend

NORMAL



CATERPILLAR R1300 SCP228 Component

Coolant

EXTENDED LIFE COOLANT (--- GAL)

DIAGNOSIS	SAMPLE INFORM		method	limit/base	current	history1	history2
				minubase			
Recommendation	Sample Number		Client Info		WC0883840		
Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match	Sample Date		Client Info		18 Jan 2024		
indicates that this fluid is (GENERIC) EXTENDED	Machine Age	hrs	Client Info		980		
LIFE COOLANT. Please confirm.	Oil Age	hrs	Client Info		0		
Corrosion	Oil Changed		Client Info		Not Changd		
All component wear rates are normal.	Sample Status				NORMAL		
Contaminants	PHYSICAL TEST F	RESULTS	method	limit/base	current	history1	history2
There is no indication of any contamination in the coolant.	Specific Gravity		ASTM D1298*		1.073		
	рН	Scale 0-14	ASTM D1287*	9.0	7.76		
Coolant Condition	Nitrites	ppm	Alcan Test Kit*		600		
The condition of the coolant is acceptable for the time in service.	Reserve Alkalinity	Scale 0-20	ASTM D1121*		2.6		
	Percentage Glycol	%	ASTM D3321*	50	54.5		
	Freezing Point	°C	ASTM D3321*	-40	-45		
	Carboxylate						
	CORROSION INH	IBITORS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185(m)		15		
	Phosphorus	ppm	ASTM D5185(m)		4		
	Boron	ppm	ASTM D5185(m)		12		
	Molybdenum	ppm	ASTM D5185(m)		600		
		pp					
	CORROSION		method	limit/base		history1	history2
	Iron	ppm	ASTM D5185(m)		0		
	Aluminum	ppm	ASTM D5185(m)		3		
	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)		1		
	CARRIER SALTS	3	method	limit/base	current	history1	history2
	Sodium	ppm	ASTM D5185(m)		7225		
	Potassium	ppm	ASTM D5185(m)		97		
	SCALE POTENT	IAL	method	limit/base	current	history1	history2
	Calcium	ppm	ASTM D5185(m)	>100	11		
	Magnesium	ppm	ASTM D5185(m)	>40	2		
	Hardness	mg/L CaCO3	In-house*	<75	34		
	VISUAL		method	limit/base	current	history1	history2
	Coolant Color		Visual*	Orange/R	Red		
	Coolant Appearance		Visual*	Clear	Clear		
	Color					no image	no image
	Bottom					no image	no image

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