

COOLANT REPORT

Kentucky [Kentucky] Coolant - Port Main Engine (Jacket) Component Coolant

Fluic

CATERPILLAR ELC (--- GAL)

Recommendation

The fluid is suitable for further service.

Corrosion

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.

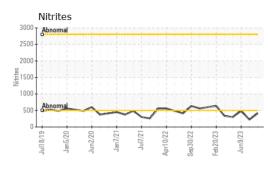


Sample Rating Trend

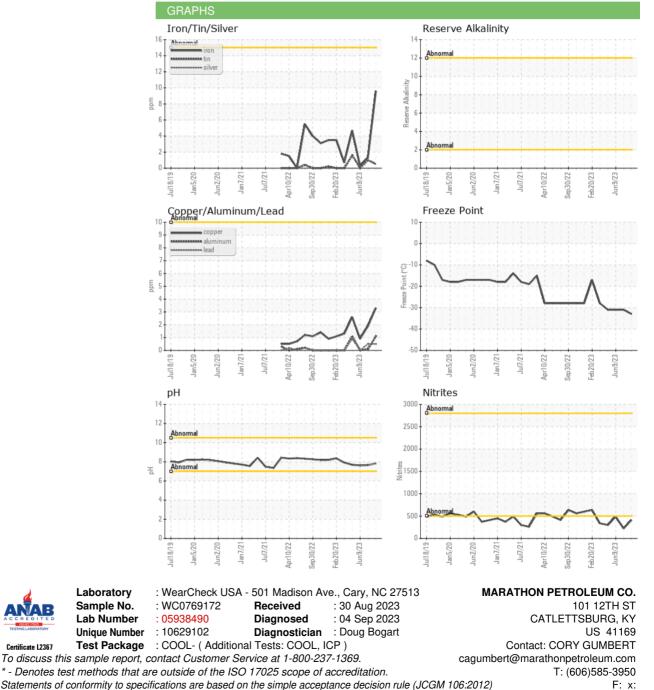
SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0769172	WC0769206	WC0769523
Sample Date		Client Info		25 Aug 2023	06 Jul 2023	09 Jun 2023
Machine Age	hrs	Client Info		9756	8984	8469
Oil Age	hrs	Client Info		0	8984	0
Oil Changed		Client Info		N/A	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
PHYSICAL TEST R	ESULTS	method	limit/base	current	history1	history2
Specific Gravity		*ASTM D1298		1.066	1.065	1.065
рН	Scale 0-14	ASTM D1287		7.84	7.65	7.61
Nitrites	ppm	AP-053:2009		412	224	488
Reserve Alkalinity	Scale 0-20	*ASTM D1121				
Percentage Glycol	%	ASTM D3321		49.0	48.0	48.0
Freezing Point	°F	ASTM D3321		-33	-31	-31
Total Dissolved Solids				348.0	339.5	337.0
Carboxylate				fail	pass	fail
CORROSION INHI	BITORS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D6130	0	30	35	29
Phosphorus	ppm	ASTM D6130	0	0	0	0
Boron	ppm	ASTM D6130	0	21	28	7
Molybdenum	ppm	ASTM D6130	950	910	952	1188
CORROSION		method	limit/base	current	history1	history2
Iron	ppm	ASTM D6130	>15	10	1	<1
Aluminum	ppm	ASTM D6130	>10	1	<1	0
Copper	ppm	ASTM D6130	>10	3	2	<1
Lead	ppm	ASTM D6130	>10	<1	<1	0
Tin	ppm	ASTM D6130	>10	<1	1	0
Zinc	ppm	ASTM D6130		1	<1	0
CONTAMINANTS		method	limit/base	current	history1	history2
Chlorine	ppm	ASTM D6130		27	28	0
CARRIER SALTS		method	limit/base	current	history1	history2
Sodium	ppm	ASTM D6130		5256	6001	5723
Potassium	ppm	ASTM D6130		5	106	0
SCALE POTENTI	AL	method	limit/base	current	history1	history2
Calcium	ppm	ASTM D6130		14	10	11
Magnesium	ppm	ASTM D6130		5	6	6



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

Submitted By: M/V KENTUCKY

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