

BAY COOL-5000

CORROSION INHIBITOR FOR INDUSTRIAL EQUIPMENT AND STATIONARY ENGINES

PRODUCT SPECIFICATION



COLOR FLUORESCENT.....	Clear Reddish-Pink Liquid
CORROSION WEIGHT LOSS, mg/coupon,max*	
BRASS	10
COPPER	10
SOLDER	15
STEEL	5
IRON	5
ALUMINUM.....	15
EQUILIBRIUM BOILING POINT,°F(ASTM D1120).....	325 MIN.
FLASH POINT,°F(PENSKY-MARTENS CLOSED CUP) ASTM D3..	230MIN.
FOAMING CHARACTERISTICS (ASTM D1881)	
INCREASE IN VOLUME DURING AERATION, ml	50 max
BREAK TIME SEC	5 MAX
FREEZING POINT, °F(ASTM D1177),	
TO VOLUME % q.s. AQUEOUS SOLUTION.....	-34MAX
Ph (ASTM d1207), 1.2 DILUTION WITH WATER	10.5+/-0.3
RESERVE ALKALINITY (ASTM D1127), AS RECEIVED	10.5-13.5
WATER, WT.96 (ASTM S1123)	1.12-1.14
*GLASSWARE CORROSION TEST (ASTMD1384) SILICON PPM BY ICP (D4985 HEAVY DUTY SPEC)	225 MIN.-245 MAX

FEATURES:

- Corrosion Protection
- Keeps Valves from Fouling
- Scale Protection
- Does Not Harm Rubber or Non-Metallic Surfaces
- Non-Chromate
- Compatible with Anti-Freeze
- Non-Foaming

BAY COOL-5000 is a specially formulated liquid product designed to provide protection for closed recirculating systems and for hydrostatic testing systems. It protects against scale, corrosion and cavitation-corrosion of ferrous, copper and copper-bronze alloys.

BAY COOL-5000 is buffered to neutralize the acids that are formed in the cooling system make-up water into the proper pH range. It also eliminates the need for separate alkalinity control chemicals and deposits a microscopic film which protects metal surfaces from harmful scale deposits. Diesel engines that require **BAY COOL-5000** treatment are susceptible to cavitation corrosion of the cylinder liners if this treatment is not used.

BAY COOL-5000 prevents overheating while protecting cooling systems against corrosion, liner pitting, mineral scale deposits and electrolysis and can be used with antifreeze in systems located in climates where freeze protection is necessary.

“We’re All About Solutions” – A Visible Difference !



Instructions:

1. Drain system first, chemically clean and flush before charging with ***BAYCOOL-5000*** to remove all scale deposits, dirt and rust particles
2. Initial Dosage: Add ***BAY COOL-5000*** to the system at 1 pint for every 4 gallons of cooling system capacity.
3. Preventive Maintenance: Never top off with plain water. Top up with a mixture of one part ***BAY COOL-5000*** for every 25 parts of clean water.
4. Make up dosage: Maintain correct level of inhibitors by adding ***BAYCOOL-5000*** for system larger than 100 gallons at 1 pint for every 20 gallons capacity during routine service.
5. Test for Glycol and Nitrite, maintain a reserve of 1000-1500 ppm nitrate in the system with ***BAY COOL-5000*** - should be drained and flushed every 12 months.
6. ***BAY COOL-5000*** stabilizes engine coolants to help prevent the formation of abrasive gel-like deposits that form from over concentration of coolant additives, hard water salts, corrosion products and antifreeze.
7. ***BAY COOL-5000*** can be slug fed into the system or through chemical pumps and by pass feeders. A properly treated system will have a light pink coloration with the pH buffered at approximately 9.2.