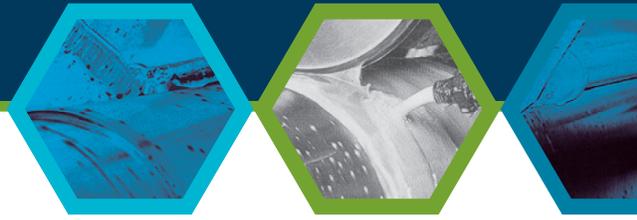


# CT 650 CK

## CORROSION INHIBITOR

### CUSTOMER: INTERNATIONAL INDUSTRIAL MANUFACTURER



#### PRODUCT

**CT 650 CK** is a water dilutable corrosion inhibitor based on extremely low foam and low residue characteristics. CT 650 CK is recommended for hydrostatic applications requiring short term (1-3 months) to long term (6-8 months) indoor protection of cast iron and steel alloys. CT 650 CK contains no diethanolamine or nitrites. CT 650 CK will not stain copper or brass.

CT 650 CK is very low foaming and is an effective rust inhibitor at moderate concentrations. It is completely soluble in water and may be used as an in-process rust inhibitor. Due to the solubility of CT 650 CK, you can tailor the product concentration to meet your protection requirements.

CT 650 CK forms a near imperceptible film on machine parts for excellent corrosion protection without forming a sticky residue. It is also compatible in a wide range of water hardness. The clear dilution makes CT 650 CK an ideal choice for leak test baths for which visual clarity is important.

#### PROCESS AND EQUIPMENT

Industry/Market	Industrial
Product Type	Corrosion Inhibitor
Product Number	2612600000
Machinery Involved	Immersion Pressure Testing Tanks
Description of Environment	Pressure leak testing various engine components
Volume Used	3,600 liters
Date of Use	2013 to present
Documented Cost Savings	\$11,808/£7,380. 44% on previous process year one

#### ▷ DESCRIPTION OF PROBLEM

Engine components, such as blocks and cylinder heads, are sealed and subjected to high pressure air. If there are any leaks (usually from cracks or cup plugs) then the system cannot maintain the pressure. To identify the leak the part is immersed in a solution and the air leak can be located. The original product used was corrosive, causing health and safety concern. It also gave a translucent solution in water, which got darker and harder to see through after use, reducing the efficiency of the pressure testing process. The bacteria rejection and longevity of the corrosion protection were also an issue with the quality and cost.

#### ▷ PREVIOUS COMPETITOR PRODUCT

- Was not transparent making it difficult to identify where the leak was coming from
- Had low resistance to bacteria growth causing safety and quality issues
- Had limited corrosion protection for ferrous parts washed

#### ▷ SOLUTION

The CT 650 CK is not classified as hazardous so is much safer to use. It gives a clear solution in water with excellent corrosion protection and bacteria rejection, at the same or lower concentration, than the replaced product. The product usage has gone down greatly due to a longer life cycle.

#### ▷ CUSTOMER TESTIMONIAL

Since implementation of the fluid, the tanks stay cleaner for 25% longer. Stayed clear for ten weeks over the previous eight (or less) weeks with previous product and the pressure testing operation is easier to perform. The chance of not identifying leaks in components is a great deal lower, so potential quality issues are eradicated, and the leaking area can be visually seen for ease of correction.