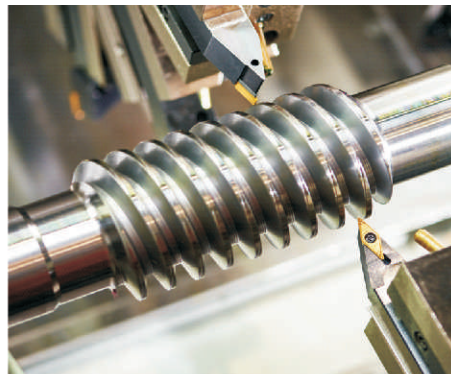


# BioCorr® Receives EU Trademark Approval

## Strong on Corrosion - Gentle on Nature - Easy on the Wallet!



Cortec® Corporation proudly announces that its biobased and biodegradable rust preventative - BioCorr® has received registered trademark approval from EU's Office of Harmonization. BioCorr® is a water based, ready to use formulation intended for preservation of metals in storage and during transportation. This innovative solution is formulated with renewable raw materials and contains 64% biobased content. It provides multi-metal corrosion protection by combining film-forming additives with Vapor phase Corrosion Inhibitors (VpCI®s).

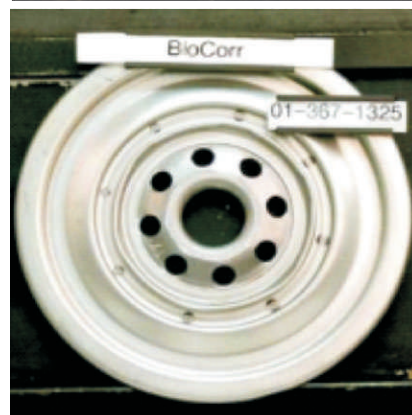
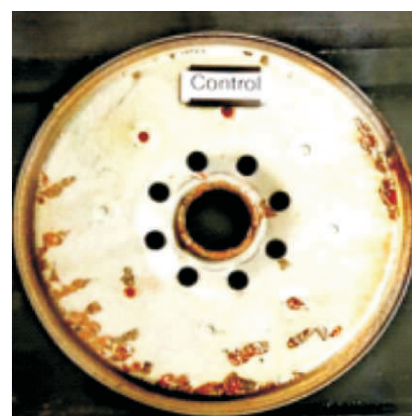
BioCorr® is an environmentally sound alternative to hazardous petroleum derived products. This ready-to-use formulation can provide protection for up to two years of indoor storage or during shipments. Unlike rust preventative oils, water-based BioCorr® leaves a dry film on the surface of the metal that is virtually undetectable. This feature helps to create a clean workplace and prevent material waste.

BioCorr® is VOC free and it's biodegradable formulation enables eliminating expensive disposal costs associated with hazardous mineral oils and flammable solvents. BioCorr® does not contain any chlorinated compounds, chromates, or nitrites. It has been awarded USDA BioPreferredSM designation ([www.preferred.gov](http://www.preferred.gov)).

### TYPICAL APPLICATIONS

- Biodegradable preservative for machines and equipment
- Temporary coating for storage and shipment
- Protection of pipes, flanges, gears
- Cast iron, sheets, and coils

Daughter company of global manufacturer „Daido Metal“ was experiencing corrosion problems during exporting of automotive parts using sea going containers. The end users of bearings, bushings and thrust washers are engine producers: Volvo and Ford. Time in transit from manufacturer's location in Montenegro to the engine assembly plants is typically 2-4 months. The traditional rust inhibiting oils did not prevent oxidation and pitting of the special aluminum alloy used to produce these high-tech engine components. This resulted in significant losses from production delays and rejected parts. The customer tested BioCorr® in their laboratory with promising results and a pilot plant trial was initiated. This prompted the customer's decision to implement a plant-wide, full scale implementation of BioCorr® to replace rust inhibiting oils. Corrosion problems during storage and shipping are solved. The bearings, bushings and thrust washers have shown no sign of corrosion, even after extended field testing up to twelve months. As a result delivered parts are oil free, dry to the



**TEST RESULTS**

ASTM D 1748 (Humidity Chamber), hours

Carbon Steel	Copper	Aluminum
600	160-200	160-200

ASTM D 4627-86 (Cast Iron Chip Test)  
Pass

touch and protected with very cost-effective method. BioCorr® also enables the company to demonstrate their clients and local community their environmental sustainability and awareness.