

K1096 Condition Report

Conservation Started: 21/03/2013

Conservation Finished: 21/03/2013

Conservator: Natalie Harding

Time Taken: 2hours

Including digital photography, report, conservation and packing.

Dimensions: (L) 39mm (W) 2mm (H) 2.5mm

Weight before: 2.20grams

Weight after: 2.13g

X-ray: L44

Catalogue number: 218

Digital photography:

Taken with a Canon EOS digital camera under daylight bulbs and Photomicrographs taken using Keyence VHX-1000 3D digital microscope with LED and/or fibre optic lights, 20-200x magnification.

Annotation on any of the storage bags or boxes: n/a

Description: Visual and microscopic examination using Meiji stereo microscope 7-75x magnification Bent and curved length of gold beaded 'rope' wire. It appears that this is made up of multiple lengths of beaded wire, twisted together to form the rope. One single row of beaded wire is soldered to one side.

Associated Objects: n/a

Pre-Conservation Condition: Visual and microscopic examination using Meiji stereo microscope 7-75x magnification.

The piece is stable but damaged; bent, twisted and curved over on itself, torn at both ends, some of the beaded wire broken in places. Mostly covered in soil.

Treatment: Carried out using a Meiji stereo microscope

Purpose: Study / Analysis

Aim: Total cleaning

Materials: Soft natural/synthetic brushes, thorn in pin vice/holder, IMS on metals, 50:50 water/IMS on metals, cotton wool swabs, cocktail stick, Paraloid B72.

The granular soil all over the object was mechanically removed or reduced where possible using a fine thorn tip secured in a pin vice and a small pure bristle brush. IMS or water was used to soften the soil to facilitate removal. Loose particles of soil were then removed with a small swab of IMS.

No corrosion products were found.

The paper K number was adhered to the back with HMG brand Paraloid B72 (ethyl methacrylate copolymer) from the tube, applied with a cocktail stick.

A storage box padded with white polyethylene foam was made for housing the object. A strip of Tyvek (spun bound polyethylene fibres) was used as a cushion for the object and to help lift it out of the foam.

Post-Conservation Condition/Findings:

The piece remains stable.

Some areas of the beads show flattening. The coiled 'rope' wire appears to be made up of at least two separate beaded wires twisted together.

In some areas the soldering appears slightly melted which could be due to overheating.

Key Features:

- Multiple wires twisted around each other to create a thicker 'rope' wire.
- One single row of beaded wire soldered to the 'rope' wire.

Samples:

Not enough soil available to obtain a sample.