

K144 Condition Report

Conservation Started: 2/11/11

Conservation Finished: 2/11/11

Conservator: Deborah Magnoler

Time Taken: 3rs

Including digital photography, report, conservation and packing.

Dimensions: (L) 16mm (W) loop 12mm (W) plate 7.5mm (L) plate 10mm (Th) tongue and plate 4mm

Weight before: 2.21g

Weight after: 2.08g

***new weight 2.03g (see update at end)**

Catalogue number: 585

Digital photography:

Taken with a Nikon Coolpix 4500 digital camera, under daylight or bulbs and Meiji Techno RZ Stereo microscope with an Infinity 1 camera (with analyses capture software) and fibre optic lights, 7-75x magnification. Taken before, during and after.

Annotation on any of the storage bags or boxes: Au buckle K144 24/7/09 (unstrat) US-010

Description: Visual and microscopic examination using Meiji stereo microscope 7-75x magnification
A gold buckle complete with loop and pin and two slightly dome headed rivets; the rivets appear to have hammered, flat ends to keep them in place.

Associated Objects: a similar but larger buckle

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

Apparently hole buckle, featuring a polished surface with visible criss-crossed polishing marks; the mechanism is inactive as blocked with soil, which was not removed. The main body that may have served to attach the loop to its original support is a thin strap of gold sandwiching an amount of soil; one or maybe two recent scratches.

Treatment: Carried out using a Meiji stereo microscope

Purpose: Display/ Analysis / Study

Aim: Total cleaning

Materials: Soft natural/synthetic brushes, cotton swab, cocktail stick, thorn in pin vice/holder,IMS on metals

The granular soil on the exterior/interior surface 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.

The paper K number was adhered to the interior surface with HMG brand Paraloid B72 (ethyl methacrylate copolymer) from the tube, applied with a fine paint brush.

A new storage box padded with white polyethylene foam was constructed to house 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 soil was only removed from the surface to reveal detail for display; the pin mechanism is still inactive due to soil blockage

Analysis undertaken

XRF analysis of the object was performed. See document 'KXXX XRF Report'.

Samples:

1. Soil from loop.

Update 11/02/2016 Lizzie Miller: Cleaned inside using IMS applied with a paintbrush to soften the soil, then picked away with a natural thorn held in a pin vice and an air puffer to remove soil.

Weight before: 2.09g

Weight after: 2.03g