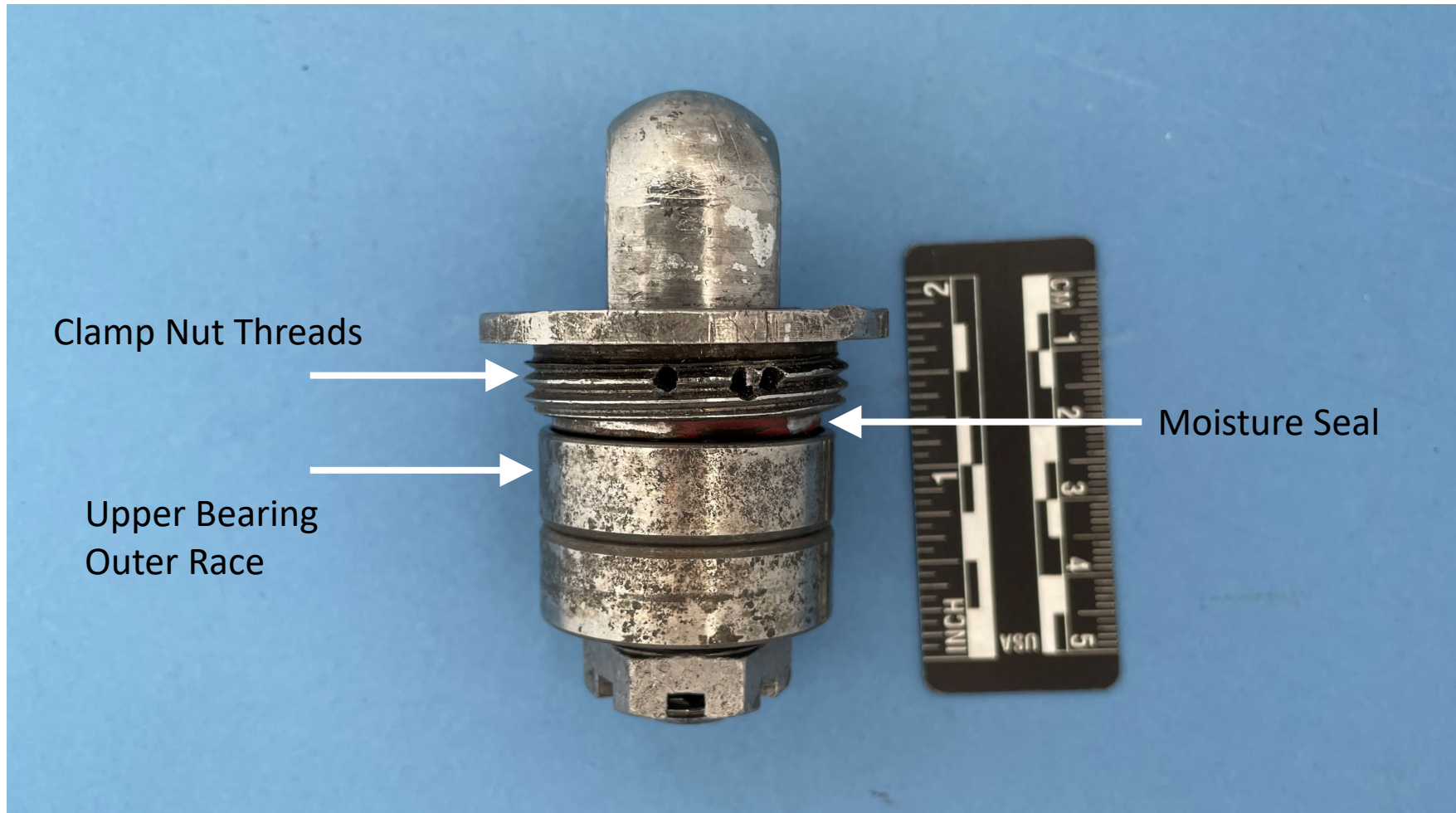


Moisture Seal Position Description

NTSB Investigation Number: DCA22MA193

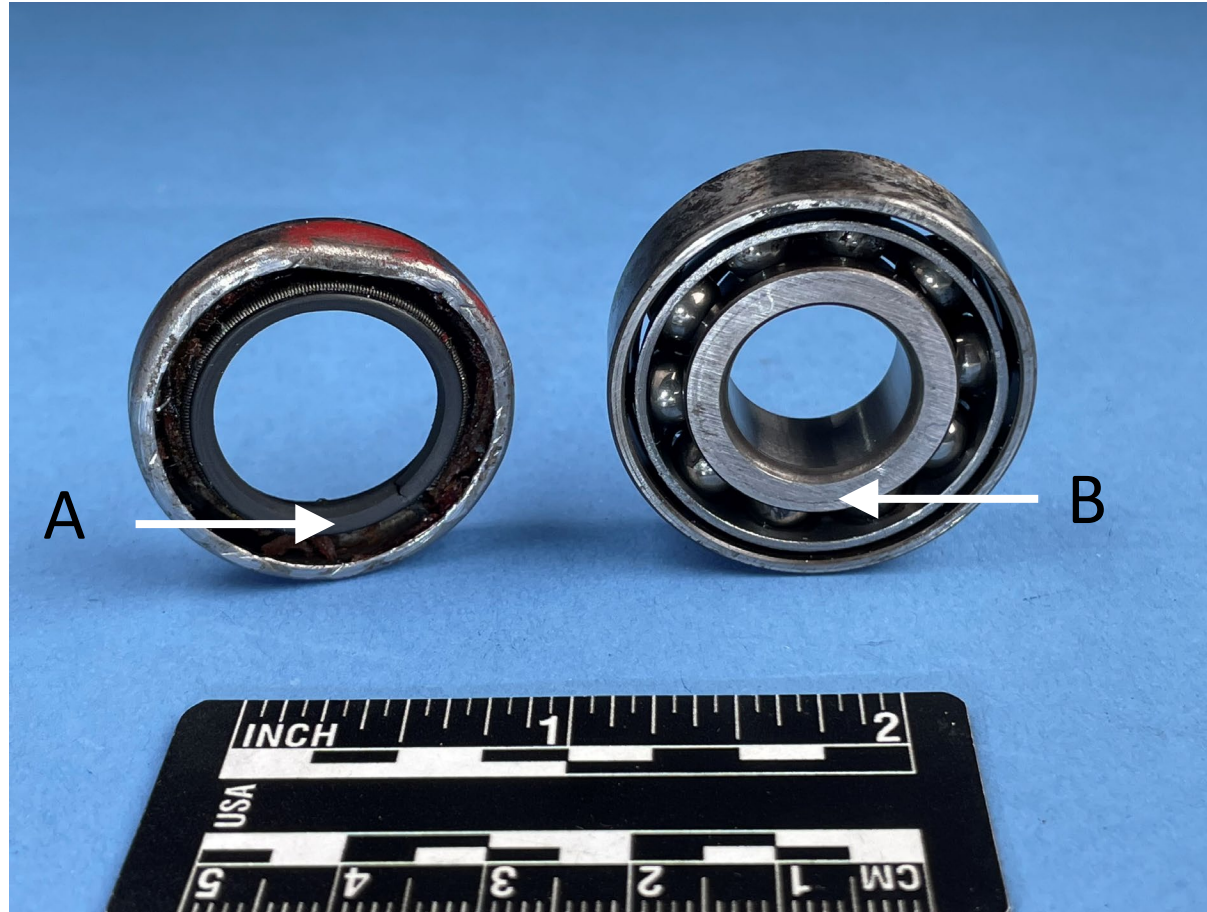
The picture is of the top eye end and bearing assembly with the moisture seal. The assembly and moisture seal had previously been disassembled and reassembled for other examination/testing prior to the pictures in this document. For the pictures in this document, the moisture seal was similarly positioned to the as-received condition where the moisture seal protruded approximately 0.07 inch from the bottom of the clamp nut.



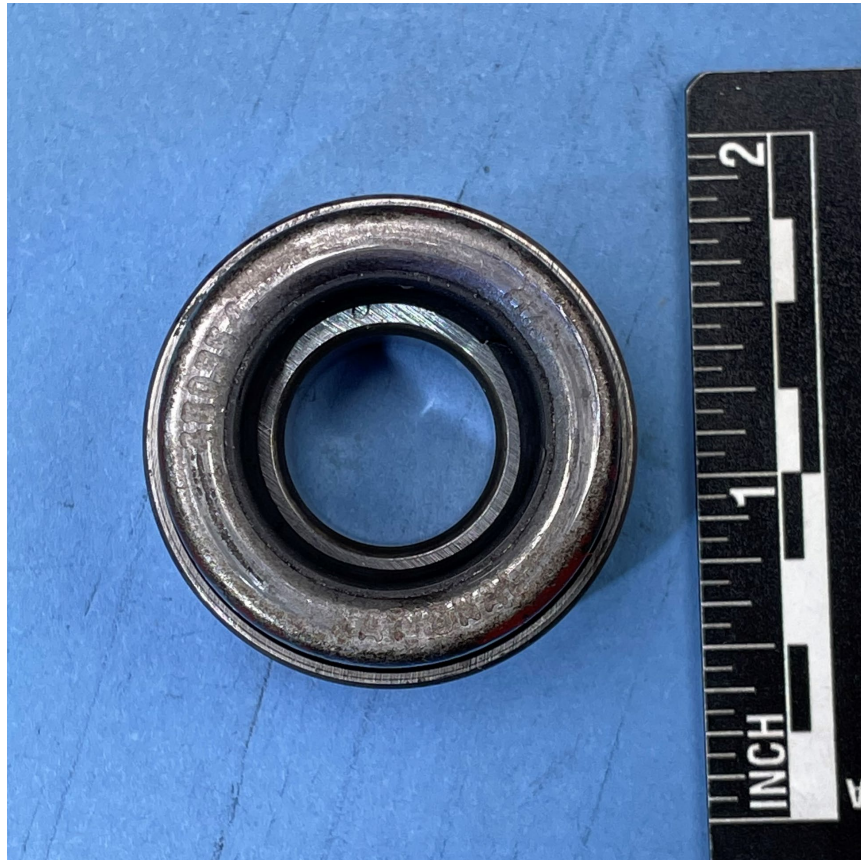
The arrows point to the surfaces that contacted each other when the moisture seal was placed against the bearing. Arrow A points to the elastomer seal of the moisture seal. Arrow B points to the inner race of the bearing.



This picture is of the moisture seal removed from the eye bolt (left) and the upper bearing (right). Arrow A points to the elastomer seal of the moisture seal. Arrow B points to the inner race of the upper bearing.



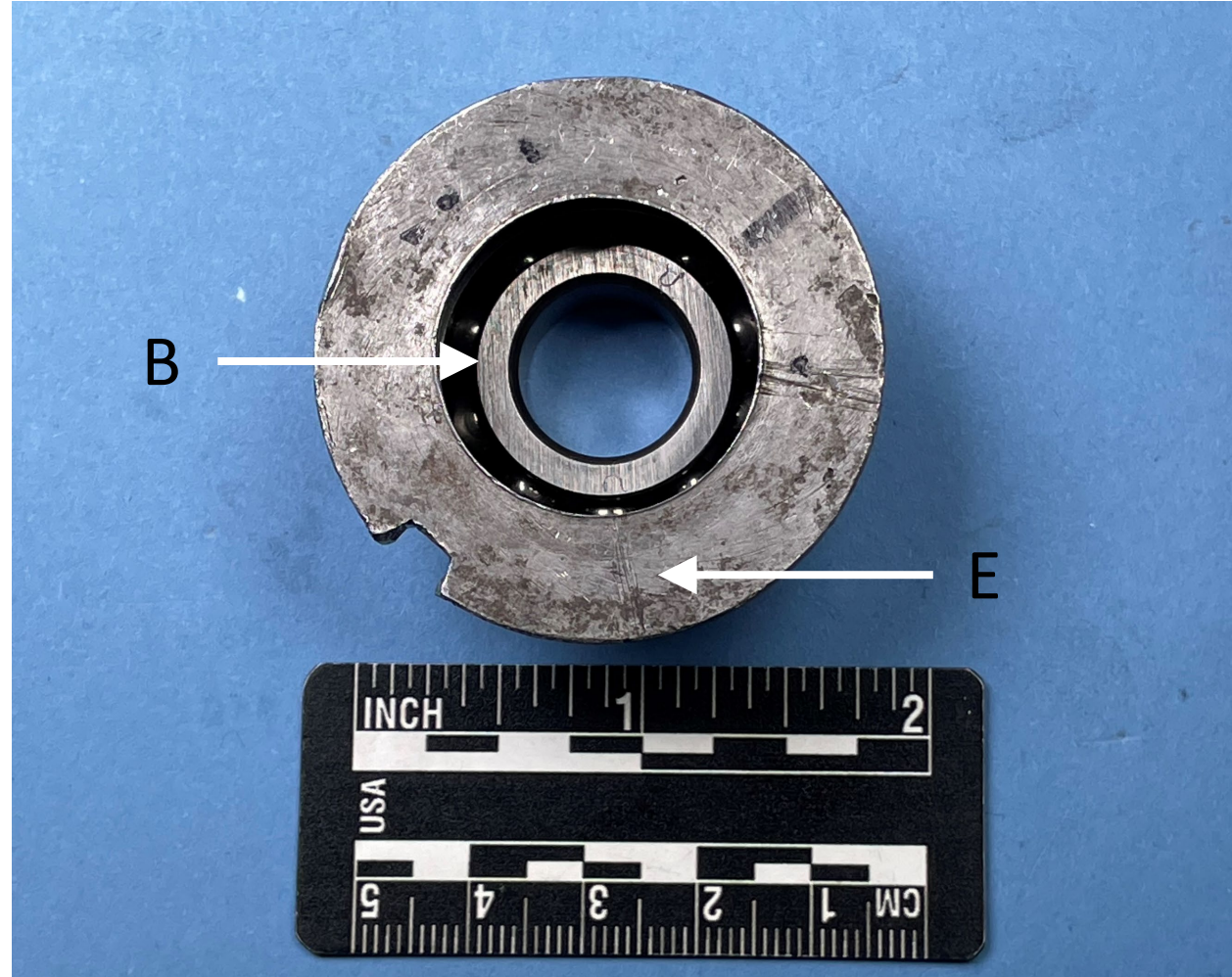
Two views showing how the moisture seal and upper bearing contacted each other. Note the moisture seal is resting on the inner race of the upper bearing, and the moisture seal sits just inside of the outer race of the upper bearing.



The arrows point to the surfaces that contacted each other when the moisture seal was not present, as per design. The upper bearing is on the left and the clamp nut is on the right. Arrow C points to the outer race of the upper bearing. Arrow D points to the bottom of the clamp nut, just below the threads.



View looking down at the clamp nut resting on the outer race of the upper bearing. Note the inner race of the bearing is not contacted. Arrow B points to inner race of upper bearing. Arrow E points to the top side of the clamp nut.



Comparison of contacting surfaces. The left picture is of the outer race of the upper bearing contacting the clamp nut as per design. The right picture is of the inner race of the upper bearing contacting the moisture seal.

