A Discussion Group is a forum in which leaders and delegates participate together to share topical problems, solutions, and best practices. Suggested topics are suggestions only; actual topics discussed will be determined by each session’s attendees.

Session: Discussion Group 5
Turbomachinery Bearings and Annular Seals
(Presented twice; again as Discussion Group 11)

Date: Monday, 16 February, 2015 1430 – 1600 hours

Leaders:

• Scott Wisler (Dresser-Rand)
• Urs Baumann (MAN Diesel & Turbo Schweiz AG)
• John Whalen (John Crane)
• John A. Kocur (ExxonMobil)

Topics:

• Turbomachinery bearings
  o Sleeve and tilted pad journal bearings
  o Babbitt bearing failures
  o Bearing upgrades
  o Clearances
  o Installation
  o Oil
• Annular seals and polymer seals, including centrifugal compressor applications and designing an upgrade
• Polymer material selection
  o Temperature concerns
  o Chemical compatibility, including oil film, labyrinth, and bearing housing seals