

- 1. What type of corrosion is electro-erosion easily confused with?**
 - a) Galling
 - b) Fretting corrosion
 - c) False brinelling
 - d) All forms of corrosion

- 2. What forms of electro-erosion are there?**
 - a) Creep rotation
 - b) False brinelling
 - c) Current passage
 - d) Leakage current

- 3. Which bearings are commonly affected by electro-erosion?**
 - a) Cylindrical roller bearings
 - b) Angular contact ball bearings
 - c) Deep groove ball bearings
 - d) Tapered roller bearings

- 4. An noise increase is an indication of electro-erosion on a bearing.**
 - a) Correct
 - b) Incorrect

- 5. What are the unfavourable effects of an electrical discharge between rolling bearing components and the associated temperature increase?**
 - a) Cracks and fractures on the rolling bearing
 - b) Melting of the contact area
 - c) Increasing noise level
 - d) Welding the mating parts

- 6. In the case of leakage currents, grooves only occur on the raceways.**
 - a) Correct
 - b) Incorrect

- 7. How can the occurrence of leakage currents be recognised?**
 - a) Large craters on the surfaces
 - b) Contact ellipse for roller bearings
 - c) Dark discolouration on balls
 - d) Line for ball bearings

- 8. What measures are suitable for preventing electro-erosion?**
 - a) Coating of the rolling bearing with plastic or ceramic
 - b) Use of plastic rolling elements
 - c) Use of ceramic rolling elements
 - d) Use of brass cages

- 9. There are also rolling bearings with coated rolling elements.**
 - a) Correct
 - b) Incorrect