

Quiz 13

1) Grease is not a suitable lubricant:

- a. if the atmosphere contains a lot of moisture
- b. when the atmosphere is dusty
- c. if corrosion protection is desired during downtime
- d. in the food industry
- e. if a large amount of cooling is desired

2) Grease:

- 1. can be used under conditions where oil may leak away and leave the bearing dry
 - 2. is less likely to drip or splash from bearings and therefore finds wide application in the textile and food industries
 - 3. serves to seal out dirt and water from bearings
 - 4. gives the working surfaces a permanent protective coating to prevent rusting during idle periods
 - 5. is superior at low temperatures
- a. 1, 2, 5
 - b. 1, 3, 4
 - c. 1, 2, 4
 - d. 3, 4, 5
 - e. 1, 2, 3, 4

3) If the lubricant oil has a high viscosity index number, this means it will:

- a. change a great deal with temperature change
- b. not change at all with temperature increase
- c. vaporize with temperature increase
- d. change little with temperature change
- e. increase in pressure as the temperature decreases

4) If you desire an oil to flow at a much lower temperature you would most likely add a:

- a. viscosity index improver
- b. pour point depressants
- c. dispersant
- d. thickening agent
- e. low viscosity oil

5) Lubricant for an anti-friction bearing is:

- a. mineral oil
- b. graphite
- c. calcium or lime base grease
- d. not required
- e. barium and lithium base grease

Quiz 13 Answers:

1 = e, 2 = e, 3 = d, 4 = b, 5 = e