



## ACROSS

- 1** Distress marks on sliding metallic surfaces in the form of long, distinct scratches in the direction of motion.
- 6** Strategically located in the flow stream to collect a representative sample of wear debris circulating in the system.
- 7** The chemical breakdown of materials by living organisms in the environment.
- 9** The property of a lubricant that produces low friction under conditions of boundary lubrication.
- 10** A separator that removes water from the system fluid.
- 11** An apparatus for determining the viscosity of a fluid.
- 12** The resistance of a substance to surface abrasion.
- 15** A mineral oil containing no additives.
- 16** The difference between the velocities along the parallel faces of a fluid element divided by the distance between the faces.

## DOWN

- 2** A contaminant that consists of up to 99.5 percent pure iron spheres.
- 3** Ability of a lubricant to resist oxidation under high-temperature operating conditions.
- 4** Thick three-dimensional particles exceeding 50 microns indicating severe wear of gear teeth.
- 5** The chemical combination of similar type molecules to form larger molecules.
- 8** The assimilation of one material into another.
- 13** A rubber or rubber-like material used in making a wide variety of products, such as seals and hoses.
- 14** A casing for gearsets that transmit power from one rotating shaft to another.

### Crossword Puzzler Solutions:

