



## ACROSS

- 1** The weight of a specified artificial contaminant which must be added to the influent to produce a given differential pressure across a filter at specified conditions.
- 5** An additive that keeps fine particles of insoluble materials in a homogeneous solution.
- 7** Derived from or characterized by the presence of the benzene ring.
- 8** A short, externally threaded connector with a smaller sized internal thread.
- 12** In refining, the chemical addition of hydrogen to a hydrocarbon in the presence of a catalyst.
- 13** Often referred to as galling, scuffing, scoring or seizing.
- 14** The ratio of pore volume to total volume of a filter medium expressed as a percent.
- 15** Any substance that slows or prevents such chemical reactions as corrosion or oxidation.
- 16** The smaller of two mating or meshing gears.

## DOWN

- 2** An analytical technique whereby a complex substance is adsorbed on a solid or liquid substrate and progressively eluted by a flow of a substance in which the components of the substance under investigation are differentially soluble.
- 3** Additive included in the formulations of water-mixed cutting fluids to inhibit the growth of bacteria promoted by the presence of water.
- 4** The number of years before a fluid, system or component will require replacement or reconditioning.
- 6** The ratio of the weight of a given volume of material to the weight of an equal volume of water.
- 9** A refining process using fuller's earth, bauxite or other mineral to absorb minute solids from lubricating oil, as well as remove traces of water, acids and polar compounds.
- 10** Related to the ability of a fluid to pass light.
- 11** Particles of carbon or agglomerates of carbon and other material.

## Crossword Puzzler Solutions:

