

## Cam Bearing Installation for 3408 & 3412 Caterpillar Engines

The AERA Technical Committee offers the following information regarding camshaft bearing installation on Caterpillar 3408 & 3412 engines. This information should be considered to determine the correct location of the bearing inserts within the cylinder block and pertains to “all fuel” engines.

Although this bearing has a continuous outside diameter groove, the correct bearing location within the cylinder block insures optimum bearing lubrication and assists in preventing engine damage. Before installing new cam bearings be advised of the following details and make certain the bores are clean and free of burrs.

1. Bearing Joint Orientation:  $\pm 5$  degrees from 12 O'clock
2. Camshaft Bore Diameter: 3.0243-3.0257" (76.817-76.853 MM)



**FIGURE 1. Identifying Camshaft Bearings Installation Direction**