

## Chapter 13 Study Guide

What are some advantages and disadvantages of line honing v. line boring?

How much and in what direction does the main housing centerline move after line honing or line boring?

What are the overhaul limits for cylinder taper and out-of-round?

What is the process of piston knurlizing?

On what part of the block does a portable boring bar index?

On what part of the block does a boring machine index?

How much does piston ring end-gap increase with every .001" of bore increase?

What is a honing/torque plate used for?

What are some reasons for installing cylinder repair sleeves?

How much interference should be used to hold a sleeve in place?

What are some reasons for using cast iron, mol, or chrome rings?

Name the primary and secondary jobs of each piston ring.

Become familiar with the typical clearances/interferences in full-floating and press fit piston and rod assemblies.

Be able to calculate bearing clearance if given housing bore and shaft diameter (or any other combination).

What are the reasons that the housing bore end of a connecting rod gets resized?