**Meets ASE Task:** (A1-C-9) P-2 Inspect main and connecting rod bearings for damage and wear; determine needed action.

Evaluation (Enter number from 4, 3, 2, 1) :\_\_\_\_\_\_\_\_\_

**Main and Rod Bearings**

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date:\_\_\_\_\_\_\_\_\_\_\_\_\_

Time on Task:\_\_\_\_\_\_\_\_\_\_\_\_\_

Make/Model/Year:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

VIN:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**[ ]  1.**  Check service information to determine the specified procedures and specifications

 for main and connecting rod bearings.

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**[ ]  2.** Visually check the main and connecting rod bearings for damage or excessive wear.

 **OK [ ]  NOT OK [ ]** Describe faults: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**[ ]  3.** Measure the main bearings and compare to factory specifications.

 Front main bearing = \_\_\_\_\_\_\_\_ Specifications = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Second main bearing = \_\_\_\_\_\_\_\_ Specifications = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Third main bearing = \_\_\_\_\_\_\_\_ Specifications = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Fourth main bearing = \_\_\_\_\_\_\_\_ Specifications = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Fifth main bearing = \_\_\_\_\_\_\_\_ Specifications = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Sixth main bearing = \_\_\_\_\_\_\_\_ Specifications = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Seventh main bearing = \_\_\_\_\_\_\_\_ Specifications = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Eighth main bearing = \_\_\_\_\_\_\_\_ Specifications = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**[ ]  4.** Record connecting rod bearing measurements and compare to factory specifications.

Front connecting rod bearing = \_\_\_\_\_\_\_\_ Specifications = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Second connecting rod bearing = \_\_\_\_\_\_\_\_ Specifications = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Third connecting rod bearing = \_\_\_\_\_\_\_\_ Specifications = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Fourth connecting rod bearing = \_\_\_\_\_\_\_\_ Specifications = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Fifth connecting rod bearing = \_\_\_\_\_\_\_\_ Specifications = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Sixth connecting rod bearing = \_\_\_\_\_\_\_\_ Specifications = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Seventh connecting rod bearing = \_\_\_\_\_\_\_\_ Specifications = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Eighth connecting rod bearing = \_\_\_\_\_\_\_\_ Specifications = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**[ ]  5.** Check the main bearing end play and compare to factory specifications.

 End play = \_\_\_\_\_\_\_\_\_\_\_\_ Specifications = \_\_\_\_\_\_\_\_\_\_\_\_\_

**[ ]  6.** Based on the inspection and measurements of the main and connecting rod bearings,

 what is the needed action (include the proper selection of bearings)?

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_