

# Cylinder Head Specifications

**Meets NATEF Task:** (A1-A-3) Research applicable vehicle and service information, vehicle service history, service precautions, and technical service bulletins. (P-1)

Name \_\_\_\_\_ Date \_\_\_\_\_ Time on Task \_\_\_\_\_

Make/Model/Year \_\_\_\_\_ VIN \_\_\_\_\_ Evaluation: 4 3 2 1

\_\_\_\_\_ 1. Type of material: \_\_\_\_\_ cast iron or \_\_\_\_\_ aluminum alloy

\_\_\_\_\_ 2. What is the maximum allowable surface variation (out-of-flat)?  
 \_\_\_\_\_

\_\_\_\_\_ 3. Valve seat runout (maximum): \_\_\_\_\_

\_\_\_\_\_ 4. Intake valve seat angle: \_\_\_\_\_

\_\_\_\_\_ 5. Intake valve face angle: \_\_\_\_\_

\_\_\_\_\_ 6. Intake valve seat width: \_\_\_\_\_

\_\_\_\_\_ 7. Exhaust valve seat angle: \_\_\_\_\_

\_\_\_\_\_ 8. Exhaust valve face angle: \_\_\_\_\_

\_\_\_\_\_ 9. Exhaust valve seat width: \_\_\_\_\_

\_\_\_\_\_ 10. Type of valve guide:

\_\_\_\_\_ integral (cast iron heads only)

\_\_\_\_\_ powdered metal

\_\_\_\_\_ other (specify) \_\_\_\_\_

\_\_\_\_\_ 11. Valve guide bore diameter: \_\_\_\_\_

\_\_\_\_\_ 12. Minimum valve margins: intake valve \_\_\_\_\_ exhaust valve \_\_\_\_\_

\_\_\_\_\_ 13. Type of valve rotators:

\_\_\_\_\_ positive on exhaust valve only

\_\_\_\_\_ free type (keepers touching together)

\_\_\_\_\_ not used on this engine

\_\_\_\_\_ 14. Location of valve rotators:

\_\_\_\_\_ above the valve spring

\_\_\_\_\_ under the valve spring

\_\_\_\_\_ not used on this engine

