

**NATEF  
TASK SHEET --- SECTION A.5 D10 (P-1)**

**A5-D10: MACHINE FRONT BRAKE ROTOR**

Student: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

VIN: \_\_\_\_\_ Year: \_\_\_\_\_ Make: \_\_\_\_\_ Model: \_\_\_\_\_

Engine: \_\_\_\_\_ Transmission: \_\_\_\_\_ Production Date: \_\_\_\_\_

**OBJECTIVE:** Student will evaluate and machine a rotor.

- MATERIALS:**
1. **EYE PROTECTION**
  2. Dial Indicator and Rotor Micrometer.
  3. Brake Lathe
  4. Vehicle or Rotor (see instructor)

**PROCEDURE:** **WEAR EYE PROTECTION!** Place rotor on brake lathe. Attach magnetic mount dial indicator at 90 degree angle to rotor face. Rotate rotor assembly and measure lateral run-out. Record measurement below. Measure rotor thickness with micrometer and record measurement below. Look up vehicle in brake specification booklet and record minimum thickness and maximum lateral run-out specifications below. Machine rotor on brake lathe. Measure rotor thickness after machining and record measurement below. Do not to get grease, dirt, or finger prints on rotor machined surface.

<u>Record Measurements:</u>	<u>Before Machining</u>	<u>After Machining</u>	<u>Vehicle Specifications</u>
<b>Rotor Thickness</b>			<u>Minimum</u>
<b>Lateral Run-out</b>			<u>Maximum</u>

**HOW MANY THOUSANDTHS DID YOU MACHINE OFF? \_\_\_\_\_ (DO THE MATH!)**

**YOUR RECOMMENDATIONS:** \_\_\_\_\_  
(Does the rotor need to be replaced, can it be machined?)

**PROBLEMS / CONCERNS:** \_\_\_\_\_

**INSTRUCTORS EVALUATION**

<b>LEVEL OF SKILL ATTAINED</b>	<i>Initial</i>	<b>OVERALL SKILL EVALUATION</b>	<i>Points</i>
DEMONSTRATES MASTERY (5)		DOCUMENTATION COMPLETENESS (1)	
PERFORMS SATISFACTORILY (4)		SAFETY COMPLIANCE (1)	
CAPABLE, NEEDS PRACTICE (3)		WORK PROFESSIONALISM (3)	
ASSISTED IN PERFORMING (2)		<b>LEVEL OF SKILL ATTAINED (1-5)</b>	
EXPOSURE, OBSERVATION (1)		<b>TOTAL SCORE</b>	
<b>INSTRUCTOR'S SIGNATURE:</b>			

**A5D10 / Machine Rotor /02-26-12 / vdb**