



PILOT ASSESSMENT BLUEPRINT
Agriculture Mechanics (1145)
Skill-Based (Performance)

Job Description	<p>Precision Measurement</p> <p>Participant will measure bolts using a caliper and pitch gauge, measure the crankshaft PTO outside diameter using a micrometer, set up and measure the endplay using a dial indicator, check the air gap of the magneto pickup using a feeler gauge, clean the work area, and notify evaluator when complete.</p>
Administration Time	40 minutes
Equipment, Supplies, or Materials Required	<ul style="list-style-type: none">• All necessary protective clothing and safety equipment:<ul style="list-style-type: none">○ Safety glasses/face shield○ Hair tie, if appropriate• OHV engine with repair manual (horizontal shaft 5 to 12 horsepower)• Dial caliper (NO digital) or micrometer• Feeler gauges• Dial indicator kit with appropriate mounting device• 2 SAE bolts of different size• Thread pitch gauge• Tool for prying crankshaft to test for endplay• Marking device (e.g., sharpie, tape)