

ANSWER KEY TO CHALLENGE SHEET

CYLINDER COMPRESSION CHALLENGE

Customer's Concern: My van emits a heavy, bluish smoke from the tailpipe during hard acceleration. I have to add one quart of oil per week.

Customer Vehicle: GMC Savana.

Possible Causes of This Challenge:

1. Cylinder(s) has excessive taper or out-of-round wear.
2. Pistons or piston rings worn, allowing excessive oil to remain on cylinder walls.
3. Worn connecting rod bearing, causing too much oil spray on cylinder wall.

Safety First Practices to Follow:

1. Wear safety glasses at all times.
2. Disable fuel and ignition systems to prevent accidental fires.
3. Relieve pressure in compression tester before removing it from cylinder.
4. Follow all safety rules when using hand tools.

Tools and Equipment Required:

1. Hand tools.
2. Compression tester.