



# CNG Cylinder Hydro testing

M6 Automotive Services Pvt Ltd, Sahnewal,  
Ludhiana

PESO License Number: G102155



# Company Profile

- M6 Automotive Services Pvt, Ltd. was established in October, 2021 with a vision to provide high quality automobile services.
- Founders – Experienced Mechanical Engineers
- A CNG Hydro Testing Facility in Sahnewal, Ludhiana has been made functional under the aegis of the company.
- Our company is spread over area of 3500 sq yard to handle multiple cascade.



# Company Profile..

- We have tie-up with Think Gas for cascade Testing since 2021.
- We have tie-up with IRM Gas for cascade Testing since 2023.
- We have tested 42 cascades till now.
- We had tie-up with transport companies like Varun Beverage Ltd Ludhiana, Anisha Logistics, Subita Kishor Choudhary Transport and Anmol Transport Company etc for their commercial vehicles cylinder Testing.
- We had tested 3000 plus onboard cylinders of Auto, cars and Trucks etc.
- We have Swagelok Certified Technicians for high pressure SS Tubing and fitting Installation.
- We have Level 2 Certified Technicians for ultrasonic Testing for flaw detection.
- We also provide consultancy for new facility establishment as well as take turnkey projects



# Detail Equipments List



# CNG Hydro Testing Highlights – Cylinder

- ❑ RECEIVING TEST-DUE CNG CYLINDER
- ❑ VENTING
- ❑ REMOVAL OF VALVES & DEGASSING OF CYLINDER





# CNG Hydro Testing Highlights – Cylinder

- EXTERNAL & INTERNAL CLEANING OF CYLINDER
- VISUAL EXAMINATION (EXTERNAL AND INTERNAL) AS PER IS:13258



# CNG Hydro Testing Highlights – Cylinder

- WEIGHING & INSPECTION (REJECTED IF LOSS IN TARE WT. IS MORE THAN 5%)





# CNG Hydro Testing Highlights – Cylinder

## □ HYDROSTATIC STRETCH TESTING





# Hydro Testing



# CNG Hydro Testing Highlights – Cylinder

- ULTRASONIC THICKNESS (A- MEASURE THICKNESS OF A CYLINDER AT BOTTOM, SHELL AND NECK OF CYLINDER)

- ULTRASONIC FLAW DETECTOR (UFD)

(A) CALIBRATE UFD USING REFERENCE BLOCK (B) APPLY LUBRICATING OIL ON THE SURFACE OF CYLINDER (C) PLACE CYLINDER ON ROLLING MACHINE TO ROTATE CYLINDER (D) PLACE PROBE ON CYLINDER SUCH THAT THERE WILL BE NO GAP IN BETWEEN (E ) UFD MACHINE WILL DETECT IMPERFECTIONS IN CYLINDER BODY (D) RECORD IMPERFECTION IN UFD MACHINE AND TRANSFER IN TO COMPUTER



# ULTRASONIC FLAW DETECTOR INSPECTION





# Thickness Inspection








# CNG Hydro Testing Highlights – Cylinder

- INTERNAL DRYING BY HOT AIR
  - SHOT BLASTING
  - PAINTING WITH PRIMER & ONE COAT OF SUPER SYNTHETIC ENAMEL PAINT
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# CNG Hydro Testing Highlights – Cylinder

- ❑ PUNCHING
  - ❑ VALVE FITTING AND AIR FILLING
  - ❑ PNEUMATIC VALVE LEAKAGE TESTING
  - ❑ AIR EVACUATION AND NITROGEN FILLING
  - ❑ STENCILLING & COLOR CODING AS PER OIL COMPANIES REQUIREMENTS
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# Shot Blasting machine for cylinder



automotive services pvt ltd





# Cascade for testing







Happy To Serve...

Thank You!